ORDER NO. ODSD980904S0

Service Manual

DVD Player

DVD-A100U/CA, DVD-A350EB/EC, DVD-A350A, DVD-A330EN/A130EN, DVD-A330MU/A130MU, DVD-A105U, DVD-A150EB/EC, DVD-A310U/CA/A110U/CA, DVD-L10D, DVD-L10EB/EC, DVD-L10EN/P10EN, DVD-L10MU/P10MU, DVD-P10D, DVD-A350EU, DVD-A450EN, DVD-A110PM

	Interchangeability Code See the I/C column on the following Part Number list.												
	Parts	Set Production		Parts	Set Production		Parts	Set Production		Parts	Set Production	E	Addition
A	Origina	Early	В	Origina	Early	С	Origina	l 🔎 Early	D	Origina	ıl → Early	F	Deletion
	New	Late		New	← Late		New	← Late		New	——→ Late	G	Other

Subject 1: Addition of missing Parts Number

Parts Number

ſ	Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
ĺ	27 (1)		VYP6304	FRONT PANEL	G	DVD-A100U/CA

Subject 2: Change of MAIN C.B.A.

Parts Number

	Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
ĺ		VEP96512B	VEP96512AE	MAIN C.B.A.	С	DVD-A110U/CA

Subject 3: Change of Parts Number

Parts Number

Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
IC28205	T/4VHC221AFT	TVHC221AFTEL	IC	Α	DVD-L10EB/EC

△ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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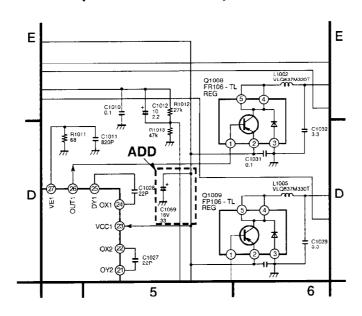
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Subject 4: Improvement of Video Beat

Parts Number

Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
C21069		RCE1CSA330CA	E.CAPACITOR CH 16V 33U	E	DVD-L10D, DVD-L10EB/EC DVD-L10EN/P10EN, DVD-L10MU/P10MU

● POWER SUPPLY SECTION (MAIN C.B.A. <1/11>) SCHEMATIC DIAGRAM



Subject 5: Correction of Optical Digital Audio Cable

Parts Number

Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
110 (3)	VJA1081		OPTICAL DIGITAL AUDIO CABLE	F	DVD-P10D

Subject 6: Correction of Parts Number

Parts Number

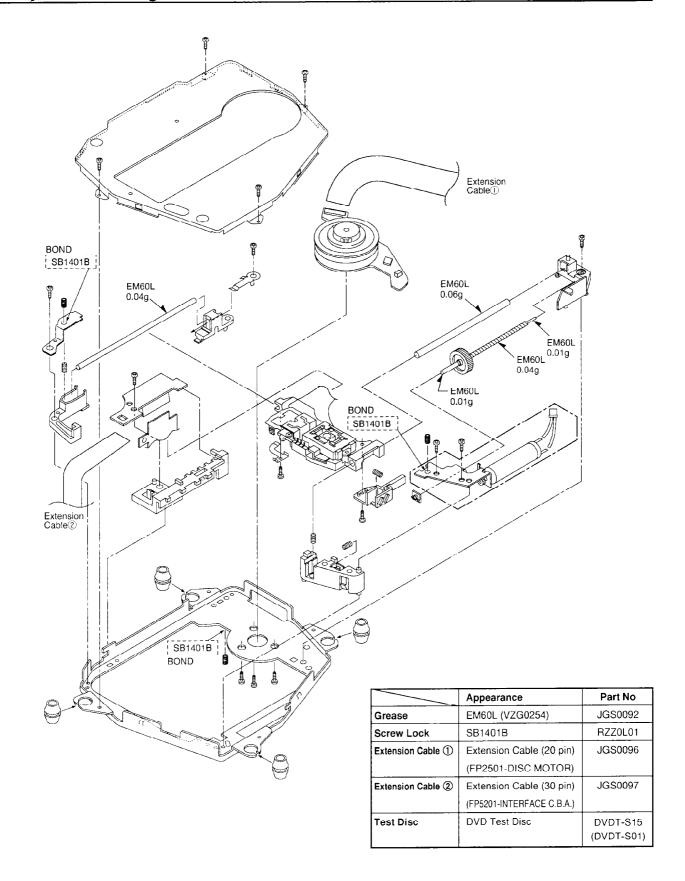
Ref No.	Original Parts No.	New Part No.	Part Name & Descriptions	I/C	Remarks
61 (3)	VXK1363	VXK1402	TRAVERSE UNIT	G	DVD-A450EN
87 (4)	VED0378	VED0378Z	OPTICAL PICK-UP UNIT	G	DVD-A450EN

Subject 7: Correction of Parts Number (D2 Model table SERIES FEP and ADSC and Servo Section (MAIN C.B.A.) SCHEMATIC DIAGRAMS/D-18)

Parts Number

Ref No.	Mistake	Correction	Remarks
TC2021 (up)	TC2021 (up)	TC2022	
TC2021 (down)	TC2021 (down)	TC2012	

Subject 8: Change of Lubrication Information (DVD-L10, P10 SERIES)



Service Manual

General Description
Adjustment Procedures
Schematic Diagrams

Portable DVD/VIDEO CD/CD Player

DVD-L10EB/EC



SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION	
Power Source	DC 9 V	LCD Screen	5.8" α -Si, TFT wide-screen LCD	
	20 W (with battery charger/AC adaptor) 13 W (Main unit only) [2.4W when power is off by the power switch or the remote control (when the battery	S-Video Output (Separate YC Signal Output)	Y output level: 1 Vp-p $(75~\Omega)$ C output level: $0.300~\text{Vp-p}$ $(75~\Omega)~(\text{PAL})$ Output connector: S terminal $(1~\text{system})$	
Battery Charger/AC	charger/AC adaptor is connected)] Power source: AC 110 ~ 240 V, 50/60 Hz Power consumption: 31 W		Output/Input level: 1 Vp-p (75 Ω) Output/Input connector: Mini-jack (1 system, Output/Input selectable)	
Adaptor	DC output: 9 V, 2 A (Charge) 9 V, 1.45 A (Play)	Audio Output/ Input	Output/Input level: 1.5 Vrms (1 kHz, 0 dB) Output/Input connector: Stereo mini-jack	
	PAL 625/50, PAL 525/60	input	(1 system, Output/Input selectable)	
Disc Formats Supported	DVD, video CD, audio CD		(1) Frequency response: [DVD linear audio]	
Weight	910 g		48 kHz sampling; 2 Hz to 22 kHz	
$\begin{array}{c} \text{Dimensions} \\ (W \times H \times D) \end{array}$	$160~(W)\times160~(H)\times43~(D)~mm$ (when the LCD screen is closed, excluding protrusions)	Digital Audio Signal Output Characteristics	96 kHz sampling; 2 Hz to 44 kHz [CD audio] 2 Hz to 20 kHz (EIAJ)	
Operating Temperature Range	+5°C to +35°C		(2) S/N ratio: [CD audio] 115 dB (EIAJ)	
Operating Humidity Range	5~% to $90~%$ (no condensation)		(3) Dynamic range: [DVD linear audio] 99 dB [CD audio] 97 dB (EIAJ)	
	(1) DVD-video disc 5" (12 cm) single-sided, single-layer 5" (12 cm) single-sided, double-layer		(4) Total harmonic distortion: [CD audio] 0.003% (EIAJ)	
	5" (12 cm) double-sided, double-layer (one layer per side)	Digital Audio Output	Optical digital output: Mini optical connector (Also used for audio output)	
Discs Played	3" (8 cm) single-sided, single-layer	PHONE Jack	Stereo, 1/4" (6.3 mm) jack	
Discs I layed	3" (8 cm) single-sided, double-layer 3" (8 cm) double-sided, double-layer (one layer per side)	Pickup	Wave length: 660 nm/780 nm Laser power: CLASS II/CLASS I	
	(2) Compact disc (CD-DA, video CD) 5" (12 cm) disc 3" (8 cm) disc	Region Number	Region No. 2	

Weight and dimensions shown are approximate. Specifications are subject to change without notice.

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INTRODUCTION

This service manual contains techinical information which will allow service personnels to understand and service this model.

- **Section 1** presents you with some general information of features and controls, enabling you to become familiar with each function.
- Section 2 contributes to your mechanical and electrical adjustment as well disassembly and replacement procedures.
- **Section 3** contains schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c...

Section 4 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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SAFETY PRECAUTIONS GENERAL GUIDELINES

- 1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- 3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

- Unplug the AC cord and connect a jumper between the two prongs on the plug.
- Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.
 - When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

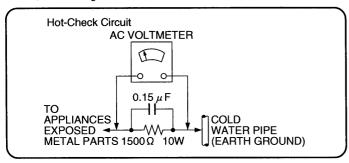


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1.)

- Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15µF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
- Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

PREVENTION OF ELECTRO STATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

- Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
 - CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
- 8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.

These parts are marked by \triangle in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

PRECAUTION OF LASER DIODE

CAUTION:

This unit utilizes a class I laser. Invisible laser radiation is emitted from the optical pickup lens when the unit is turned on:

- 1. Do not look directly into the pickup lens.
- 2. Do not use optical instruments to look at the pickup lens.
- 3. Do not adjust the preset variable resistor on the optical pickup.
- 4. Do not disassemble the optical pickup unit.
- 5. If the optical pickup is replaced, use the manufactures specified replacement pickup only.
- Use of control or adjustment or performance of procedures other than those specified herin may result in hazardous radiation exposure.

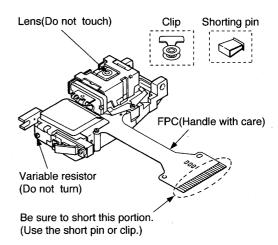
HANDLING PRECAUTIONS FOR TRAVERSE DECK

The laser diode in the optical pickup may break down due to potential difference caused by static electricity of clothes or human body.

So be careful of electrostatic break down during repair of the optical pickup.

Handling of optical pickup

- Do not subject the optical pickup to static electricity as it is extremely sensitive to electrical shock.
- To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into the flexible board (FPC Board).
 When removing or connecting the short pin, finish the job in as short times as possible.
- Be careful not to apply excessive stress to the flexible board (FPC Board)
- Do not turn the variable resistor (Laser power adjustment). It has already been adjusted.

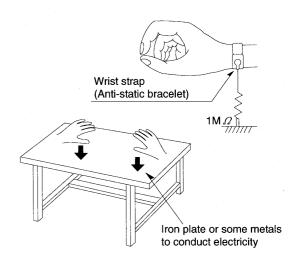


Grounding for electrostatic breakdown prevention

- Human body grounding
 Use the antistatic wrist strap to discharge the static electricity from your body.
- Work table grounding Put a conductive material (sheet) or steel sheet on the area where the optical pickup is placed and ground the sheet.

Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So take care not to let your clothes touch the optical pickup.



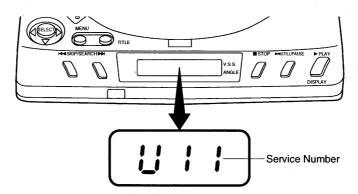
Self-Diagnosis Function for Service Number Display

This unit has a self-diagnosis function which detects a problem or malfunction within the unit and displays its corresponding service number on the display of the unit.

The Service Information Display Mode is used by the technician to help determine the source of a malfunction.

To operate the Service Information Display Mode during servicing, press the [0] (remote control unit) button while pressing the Forward SKIP/SEARCH and STILL/PAUSE buttons simultaneously.

Please refer to the table shown below when a service number has appeared.



Mode	Service Number	Player State	Check Point
During Operation	U11 H01 H02 H03 H04 H05	FOCUS TROUBLE INNER COVER TROUBLE SPINDLE SERVO TROUBLE TRAVERSE TROUBLE TRACKING SERVO TROUBLE SEEK TROUBLE	IC2001, IC2502, IC5201, Pick-up IC2001, IC2502 Disc motor, IC2501, IC2001 Traverse motor, IC2502, IC2001 IC2001, IC2501, IC5201, Pick-up, Disc Traverse motor, IC2502, IC2001
Service Information Display	F0** F1** F2** F3** F4** F5** F6** F7** F8**	DISC FORMAT ERROR DISC CODE ERROR DECODER LSI ERROR SDRAM ERROR IIC BUS ERROR DSC ERROR ECC ERROR MICRO PROCESSOR ERROR MICRO PROCESSOR ERROR	Disc Disc IC3001 IC3051, IC3061, IC6301, IC7051 IC2001, IC4101, IC5201, IC6201, IC6312, IC7001 IC7001 IC7001 IC6001, IC6201 IC6001, IC6201

SERVICE INFORMATION

1. Lighting Confirmation Function of Display Tube

SETTING PROCEDURES

During pressing both 「STILL/PAUSE」 and 「SKIP/SEARCH ►► 」 buttons on the DVD Player, push [9] key of the Remote Controller and then all of the display lights, and the 「POWER」 button is pressed to release.

2. Initialization of the DVD Player

Make initialization of the DVD Player when replacing the Main p.c. board.

INITIALIZATION PROCEDURES

While simultaneously pressing and holding the 「STILL/PAUSE」 and 「SKIP/SEARCH ◄◀」 buttons on the DVD Player, turn on the POWER switch so that the unit is initialized (Factory shipping condition).

The letter of [INITIALIZED] is displayed on the screen.

[CAUTION]

When the initialization has been made, the contents of user initial setting is lost.

Therefore, before making initialization, previously memorize the contents of user Initial setting and set the initial setting again after initialization.

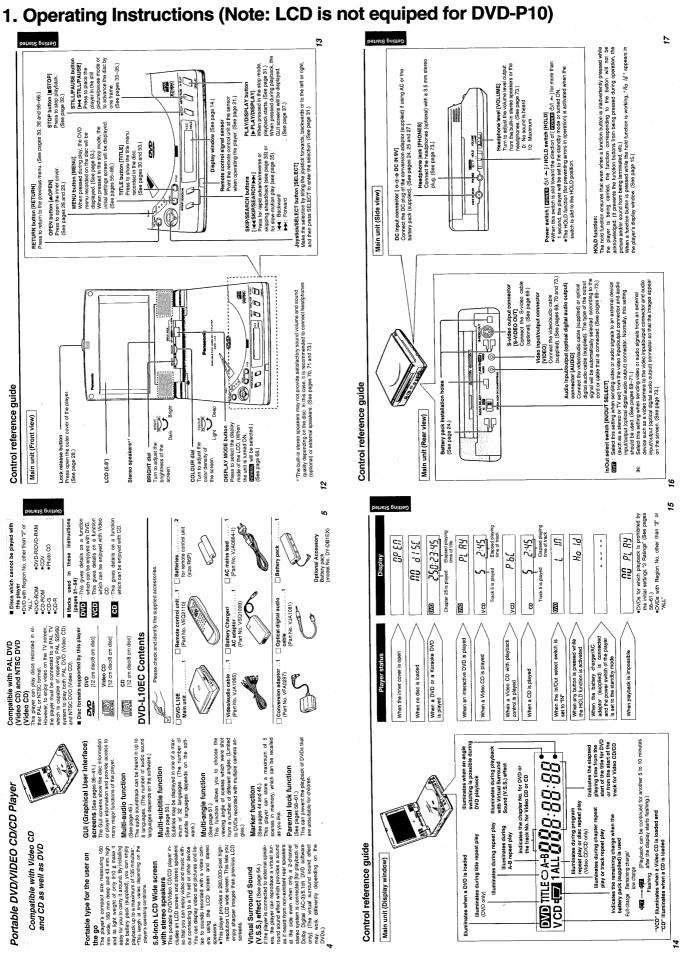
3. Lens Cleaning

For cleaning, wipe the Pick-up softly with the new cotton cloth damped with ethyl alcohol.

Never wipe it strongly or the wrong influence will have on the glass coating of the Pick-up.

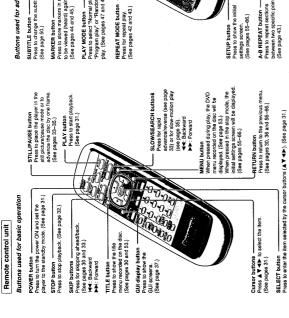
After cleaning, be sure to check no dirt or dust on the lens surface.

SECTION 1 GENERAL DESCRIPTION



. . . .

Control reference guide



Buttons used for advanced operations

Remote control signal senso

Remote control operation range

Remote control preparation

Battery (supplied) installation

Open the cover.

(Press down the part ≜ and slide the cover in the direction of the arrow and lift it.)

Insert the batteries. (Insert the batteries while observing the correct ⊕ and ⊖ polarities.)

a

3 Close the cover.

Press to change the audio soundtrack language for DVD, to switch the vocal mode for DVD Karaoke, or to select "LR", "L" or "R" for Video CD. (See page 49.) SUBTITLE button
Press to change the subtitle language.
(See page 50.) MARKER button
Press to store markers in memory
to be viewed (heard) again.
(See pages 44 and 45.) PLAY MODE button
Press to select "Normal play"
"Program play" or "Random"
play. (See pages 47 and 48.)

- ANGLE button Press to view from another angle. (See page 51.) CLEAR button Press to clear the entered numbers. (See pages 36, 45 and 47.)

Virtual Surround Sound (V.S.S.) button
Press to activate the Virtual Surround Sound
edic. (This effect works only during playback of
DVDs recorded in Dolby Dighal/S.1ch Surround
Sound.) (See page 54.) A-B REPEAT button ——— Press to repeat sections between two specific points. (See page 43.)

20

19

If any electropie should come into contact with parts of your body, weah it of thoroughly with water the parts of your body, weah it of thoroughly with water their things the state of the

). In ord mix old and new batteries. In ord drop, step on or otherwise impact the remote control unit. This may damage the parts or fact on maturation unit as congruent as long time, and one to the batteries. The months control unit is not going to be used for a long time, monow the batteries. Otherwise, electricities may leak which may lead, not only to mailuration, but also, to burns, fundate impress with the electroly-be.

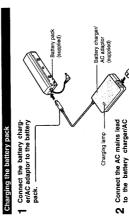
▶Do not use rechargeable (Ni-Cd) batteries.
▶Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into a

Service lite of batteries

The batteries commany sast for about one year although this depends on how othen, and
for what operations, the memore control is used.

If the remote control unit falls to work even when it is operated near the player, replace
therefore size RBP batteries.

Powering the player using the battery pack (supplied)



To mains outlet (AC 110–240 V, 50/60 Hz) AC mains lead (supplied) Connect the AC mains lead to the battery charger/AC adaptor. Connect the AC mains lead to the mains outlet. က

 The charging lamp goes off when charging is completed. Disconnect the battery charger/AC adaptor and the AC mains lead after confirming the charging lamp is off. For your rateonoe:

• The chapting, lamp lights in red when elanging status, in case the chapting lamp chapting status, in case the chapting lamp false to light, it effect to the notes on page 23.

• It takes about 2 hours (at 20°C) to charge the batteny pack.

Regarding the battery pack

recease where constraint the externation that can recease the constraint of constraint of constraint of the constraint of the constraint of constraint of

Upon competion of the charging, be sure to disconneed the power plug from the mains outset. (If it has tomereded, up to about 2.4 Virgonee will be consumed.) and a fine behavy of nargon/47 deleptor is equipped with an overdating-presentation dictuit. I however, to present his page, do not demange for more than 24 hours.
 For better year, protection, do not charge an already fully-dusingful batter year.

■ Notes when storing the battery pack

— bon action to be battery pack in areas of externely cold or high temperature, high humidisty or excessive only smoke.

You concessive only smoke

Solice the battery pack in a mass where temperature is at 15°C-25°C.

• When astoring the battery pack for a long period of time, discharge and fully recharge it
once a year and store it again.

■ Notes when disposing of the battery pack • Check, and follow, your local regulations before disposal.

For your reflectors:

- The battery packs have a service life of approximately 300 charge-discharge cycles. If the charging line or organishing the on one full charge becomes notleably shorter than it used to be, the battery pack has reached the end of its service life and should be replaced.

Detaching the battery pack

Powering the player using the battery pack (supplied)

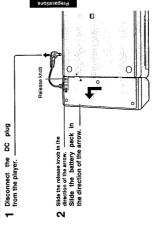
Align the battery pack with
the battery pack installation
holes on the player.

Bottom of the

Attaching the battery pack

The triangular marks on the bat-tery pack and bottom of the player should be aligned.

21



Note:

•When the player is powered by the battery charge/AC datajor, he sure to detach bout the DC play and the battery
pack: cherwake, the player will not recoprize that the battery pack has been detached, and the power-saving function will
still be active.

Bottom of the player 0 f

Slide the battery pack in the direction of the arrow. —

N

Connect the DC plug to the player.

ო

For your reference:

•When the player is powered by the battery pack, no external equipment such as a TV set, can be connected. when the player is powered by the bat-itsy pack, a power-land, purion is set, wated to prevent the battey from being construct. The OS play and bat-tery pack mast both be attached order-was the player will not be attached order-bettey pack has been installed and the battery pack has been installed and the pattery pack has been installed and the pattery pack has been installed and the discoveraging function will not be activat-ed.

3

2

22

Powering the player using the battery pack (supplied)

Operating the player powered by the battery pack

o-Confirm that the battery pack is charged. (See page 22.)
•Confirm that the battery pack is attached and the DC plug is connected to the player.
(See page 24.)



**When the battery pack is used, it is not possible to turn on the player using the remote control unit.

**Profile to buttery pack overheasts, its protective circuit may be activated, making it no longer possible to use the battery pack.

**The buttery pack will then up during use. The player will also freat up during use: this is a "The player will also then up during use. This pack.

normal. The battery pack is not paing to be used for a long time, it must be detached from the player (if it is tell attached, a low level of current will sall frow even though the player's power wantum is set to the stancth mode). If it is left in the states it may excessively discussing varieties to the stance of models even state it may excessively discussing in the standard at unusable even state it mass deen redemined.

For your reference:

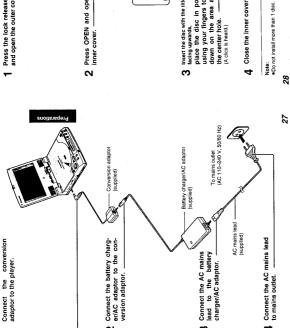
- the takes about 6 a bord; el 20°C) to charge the battery pack and cores fully charged, the
- battery will be good for approximately 135 minutes of confinuous playback (with the
- BRIGHT data also to the center position), However, usage times will differ depending on
the operating condition. A Center position

•If the player is powered by the battery pack and is left in the STOP mode, the player will automated by turn of lafter approximately 5 includes to conserve battery consumption. Autoproximal propriet of turnion of turnion proper off function.

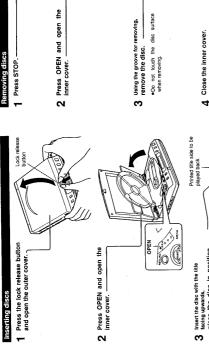
**Awher the Early pack is used the light for the player's display window is turned off and the screen spec start in order to cusavere power in this is furmed.

To mains outlet (AC 110-240 V, 50/60 Hz) Conversion adaptor (supplied) Battery charger/AC adaptor (supplied) Connect the battery charg-er/AC adaptor to the con-version adaptor. Connect the conversion adaptor to the player. Connect the AC mains lead to the battery charger/AC adaptor. AC adaptor ო 4

Powering the player using the battery charger/



Inserting/Removing discs



000 Insert the disc with the title feature upwards, place the disc in position, place the disc in position, using your fingers to push down on the area around the center hole.

Groove for removing 8 cm discs

irooves for removing 2 cm discs

4 Close the inner cover.

83

DVD VCD CD

Basic play

DVD VCD CD

On the main unit
Tap SKIP/SEARCH during play. Skipping ahead or back MA: Backward ►►: Forward pressed

Keep SKIP/SEARCH AA: Backward ▼Y: Forward

On the main unit

By the remote control unit Press SKIP during play ►►: Backward during

 A chapter or a track is skipped each time the button is pressed.
 It ★★ SKIP/SEARCH (SKIP) is pressed once, the player returns the beginning of the chapterfack being played back. •The speed of rapid advance/rapid reverse becomes faster (up to 5 steps) as the button is continuously pressed.
•The speed will be retained even after the button is released. By the remote control unit Press SLOW/SEARCH ▲♠: Backward ▶▶: Forward

Press STOP during play.

Stopping play

The case of most of the interactive increases of most of the foreign of the case of most of the interactive increases on the society. Portion 20 years of the case of the case

Example: DVD When 'Birds' is selected

TITLE MENU

Select the preferred item by using the joystick (▲ ▼ ◀ ▶).

• In the case of the remote control, select the item using the cursor buttons.

Dogs Castles Lovers Birds

■ When a menu appears on the

TITLE MENU

Display window STOP PLAY/DISPLAY SKIP/SEARCH

Example: Video CD with play-back control

Example: nteractive DVD

Press PLAY/DISPLAY.

•In the case of the remote control, press PLAY.

(Playback starts.)

Before enjoying DVD/Video CD/CD
The Or-Screen draw in group of property from the Indian.
I you would like to change the ment language to French. Sparlet, German or talliar, please sier to 1 When 3 Menu Language is selected on page 62.

■ Returning to normal play Press PLAY/DISPLAY (in the case of the remote control, PLAY).

Position being played back

For your reference:

When SKINSEARCH (in the case of the remote control, SLOW/SEARCH) is pressed during menu play of Video CD with playback control, a menu screen may sometimes be recalled.

33

 Audio will be heard during rapid advance at step 1. (See page 66.) ■ Placing the player in the still picture/pause mode Press STILUPAUSE.

For your reference:

when SKIPDEARCH (in the case of the remote control, SKIP) is pressed during menu play of Video CD with playback control, a menu screen may sometimes be recalled. Chapter/ Chapter/ Chapter/ Chapter/
track track track track

Motes:

When the NTSC DUDV/deo CD is played, the playeds of the playeds of before may foll for of down or some TVs adjust his suring the V-HCLD control on the TV. TVs of no equapped with a V-HCLD control cannot correct this consilion. The playback piloture may service with the control on the played policy and public on the played policy and before and the besteen or the played may appear to the played may be played the access to the played may be played policy and before of the played may be in adjurydow.

32

Dung objects of 4 Oz to "Order to edisper mode of the ICD to "Order to consense power and to provent tunner consenses power and to prevent tunner consenses of the ICD to "Order to consense on the Consenses and counted from the states of the ICD consenses and counted from the states speaker automatically into off to consenses power and table of consenses of the ICD consenses and the ICD consenses and the ICD consenses and the ICD consenses of the

Obtains Japonack of some deach, a missage a such as Preses he page upturn to start pay.

The page of t

•When O speaks when a button is being operated in measts that the corresponding potentials from a supplied by the player or the discretion to the supplied by the player or the discretions both as a PLAY button for the supplied by the player or the supplied by the player of the supplied by the supplied by the SUI sections. If the button is present in the supplied will supplied the supplied by the SUI section will be displayed.

For your reference:

• White he manuscontens exist except except

• White he manuscontens can be never

most of any of the property of the dec. For operation, refer to place of on the dec. For operation, refer to place of on the dec. For operation, refer to place of the property of the

When the player is not in use, to save power, side the POWER switch to the Oil position (in the case of the remote owner, pass as the POWER button). Days will will such some player will automatically be switched to the sunday mode sitter approx. Its minutes have a supposit on the sport once future approx. Its minutes have a supposit in the stop mode (Auto power did function, if the player it presented by the basiney pack, the power will automatically be turned off after approx. Enturishment in we approx.

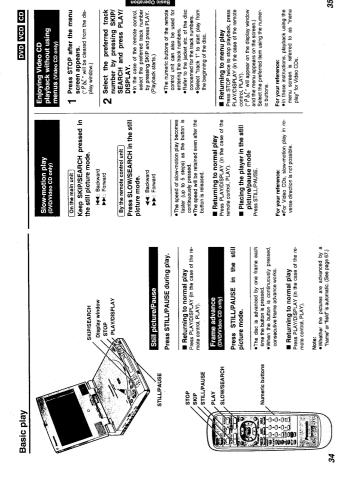
Press SELECT.
(Play of the selected item now starts.)

0-0-010 0-0-0-0 3-0-0-0 1-0-0-0

RETURN

Basic play

Confirm that the power is turned on. (See pages 17 and 18.) Confirm that the disc is loaded. (See page 28.)



This player features GUI (Graphical User Interface) screens consisting of itoris showing disc information (inflicitaplier/facts number, elasead playing time, audiosubitile interguage and angle) and player information (repeat play, marker and whital surround sound); some icons show the indicated information and other icons allow the settings to be charged. · က 31-0-0-00 31-0-0-0-0 31-0-0-0-0 31-0-0-0-0 31-0-0-0-0 SELECT

ovo ovo

Operation using the GUI screens

Example: DVD

Normal playback screen

Press PLAY/DISPLAY during play.

- in the case of the remote control, press DISPLAY.
(GUI screen is displayed.)

T. C. 6 1227 0 [2]

•Each time the button is pressed, the screens change as shown in the right.

•The screens may differ depending on the disc contents.

Screen for disc information

Screen for player information

3 3 . SELECT

Shuttle screen

•The PLAY(DISPLAY button of the main unif functions both as a PLAY button and a DISPLAY button (to displaying the GUI screen). If the button is pressed during play, the GUI screen will be displayed and pressed in the stop mode, playback will start. For your reference:

-GUI screens can also be cleared by epressing RETURN of CLEAR.

-The DISPLAY buthor of the remote control unit is effective to show the GUI screen even in the stop mode.

• The PLAY(DISPLAY button on the main • unit does not work during menu pay of a video CD with playbask central. Pleas the DISPLAY button in the remote central to show the Cull secure. Co., so the display mode of the LCD to OPE* to conserve power and to prevent battery consumption. (See page 83.)

without numbers are displayed (q. title No.) In numeric buttons of the month control unit can also be used. When the numeric buttons are used, press SELECT is enter a selection.

The other selection.

For some functions, the setting with be registered immediately, for chars SELECT or EAV/CRISEAV (in the case of the entends control, EAV) must be pressed. Some functions cannot be accessed from the stop mode.

Select the preferred Item by using the joystick (◀ ▶),

• In the case of the remote control, select the Item using the cursor buttons.

(The currently selected item is indicated by a yellow frame on the GUI screen.)

S

Select the preferred item by using the joystick (\blacktriangle \blacktriangledown). •In the case of the remote control, select the item using the cursor buttons.

က

• if a TV set is connected to the player, de-peridig on the type the DVD schwere and the TV with automatic pulculus zoom function enabled, the GUI screen may not be displayed or only pariety playered on the TV screen. The appropriate TV screen type by constraint green exerting instruction manual for the TV.

DVD VCD CD

Operation using the GUI screens

ove oce

36

35

Detailed descriptions of each icon [Screen for player information]

Change the track No. using the joystick (cursor buttons) [▲▼] or the unmedic buttons and press SELECT.
(See page 81.) (The track No. cannot be changed during menu play of Video CDs with playback control.)

■ Video CD/CD

Detailed descriptions of each icon [Screen for disc information]

■ DVD

Operation using the GUI screens

Title No. Change the file No. using the joystick (cursor buttons) [A V] or the numeric (See page 61.) buttons and press SELECT.

Change No. Change the chapter No. using the joystick (cursor buttons) [A V] or (See page 81.) the numeric buttons and press SELECT.

A-B repeat play (See page 43.)	Press SELECT during play to store location A and press SELE again to store location B and to start repeat play between the spiled two locations. Press SELECT again to return to normal play.	lay to store loca and to start repu- SELECT again	Press SELECT during play to store location A and press SELECT again to store location B and to start repeat play between the specified two locations. Press SELECT again to return to normal play.
	Select the preferred repeat stick (cursor buttons) [▲▼].	d repeat mode s) [▲♥].	Select the preferred repeat mode during play using the joy-stick (cursor buttons) [▲▼].
Repeat play (See page 42.)	lay C Chapter repeat play 5 42.) T Title reneat play	heat play	DVD
	OFF Normal play Track repeat play A Disc repeat play	nt play	Video CD CD
	Play mode	\vdash	Program play
	(Video CD/CD only) (See pages 46-48.)	RND Rand	Random play Normal play
	Virtual Surround Sound (V.S.S.)	Select the pre using the joyst	Select the preferred mode during play using the joystick (cursor buttons) [▲▼].
	(DVD only) (See page 54.)	OFF V.S.S. off 1 V.S.S. nat 2 V.S.S. em	V.S.S. off V.S.S. natural effect V.S.S. emphasized effect
		L	
<u>ວ</u> ກູ	****	*	S ore

Playback control OFF Menu play is not ON. (Video CD only) ON Menu play is ON.

Elapsed playing time (minute: second)

Change the time using the numeric buttons and press SELECT.
Example: To specify 1 hour 56 min. 37 sec., enter 15637:
(This tunction does not work with some discs.)

Angle No. Change the angle No. using the joystick (cursor (See page 51.) buttons) [A V] or the numeric buttons.

Press SELECT during play and press SELECT again at the preferred point is a consistent of point to the consistent of the Marker (See pages 44 and 45.)

f the remote control, the items can be changed using the cursor buttons in-

Change the mode using the joystick (cursor buttons) [A Y].
LR | Audio channels L-R |
Audio channel R |
Audio channel R

Audio mode (Video CD only) (See page 49.)

RIC English RISS Resignant SIRE Resignant SIRE Security SI

EWE: English RUS Russian KOR: Korean SVE: Swedish THA: Thain SVE: Swedish Committee Co

3:37 🕬 L R PBC_{OFF}

9

Change the No. using the joy-stick (cursor buttons) [▲▼] or the numeric buttons.

Subtitle language No. (See page 50.)

Change the No. using the joystick (cursor buttons) [▲♥] or the numeric buttons. tons.

I ON ENG

T1 C1 6 1:56:37 (\$) 1 LPCM 48k 16b

Tilt the joystick [▶] or press the cursor button [▶]. (DVD/Video CD only) Tilt the joystick [▶] or press the cursor button [▶]. Detailed descriptions of each icon [Shuttle screen] Still/pause (*IF is displayed for CDs.) Play Tift the joystick [▼] or press the cursor button [▼]. Rapid Tilt the joystick [▲] or press the cursor button [◄].
(DVD only) Tilt the joystick [▲] or press the cursor button [▲]. 大学の Stow-motion play (Backward)

For your reterance:

To the group of profession of the profession of the control that the formation of the control that the c

41

39 •Track No. and the elapsed playing time are not displayed during menu play of Video Obs with playback control.
•It is not possible to furn playback control ON or OFF using the GUI screen.

8

38

| PPA | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1969 | 1

Audio

Changing the initial settings

When "1 Disc Languages" is selected See page 55 for steps 1 and 2.

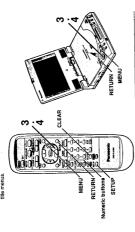
Select the preferred item by using the joystick (▲ ▼) and press SELECT.
•In the case of the remote control, select the item using the cursor buttons.

In the case of the remote control, select the item using the cursor buttons. Select the preferred item by using the joystick (A V) and press SELECT.

1 Andlo
The is to select the audio soundtrack lanDuage that from the speakers.

Subtitle
This is to select the subtile language displayed on the screen.
This is to select the subtile language displayed on the screen.

This is to select the language used in the menus recorded on the discs such as life menus.



English (Action preset)

English (Action preset)

Frents (English Microsopreses)

Frents (English Microsopreses)

Frents (English Microsopreses)

Frents (English Microsopreses)

Organism (Microsopreses)

Organism (Microsopreses)

Another increases and escendard as audio soundtack language.

Organism (Microsopreses)

Another increases will be selected as audio soundtack language.

Another increases will be selected as audio soundtack language.

Another increases will be selected as audio soundtack language.

Another increases (LEAR if is microsopreses)

Subtile insulguage will accordantly be selected in accordance with the audio soundtack language.

Subtile insulguage will accordantly be selected in accordance with the audio soundtack language.

In the insulguage selected for the 11 Audior is actually used during play, the subtiless will appear in the lan
organism (Microsoprese)

Order in language as lead uning play, the subtiless will appear in the lan
insulguage will be selected as a state of the playing.

Condition integrages will acceled as a state in the insulguage code (see page 79) using the numeric buttons.

French (English Will be selected as disc menu language.

French (English Audior Spanish)

English (English Community Hallands Spanish

English (Community Hallands Spanish

English (Community Hallands Spanish)

English (Community Hallands Spanish)

English (Community Hallands Spanish)

English (Community Hallands)

English (Community Hal

For your reference:

The numeric buttons can also be used for selecting the items. (In this case, pressing SELECT is not necessary.)

• Returning to the previous menu Fress FICHAN. • Finishing the initial settings Fress MCHU at the miss astings screen illustrated in step 1 on page 50: In the case of the enrole control, press SETUP, MCHU or 1".)

Changing the initial settings

S pressing the numeric buttons and press SELECT. See page 55 for steps 1 and 2.

When playback is restricted (Level 0-Level 7)

When "2 Ratings" is selected

က

ო

RETURN / MENU /

The scale of the state of the scale of the scale of the scale instrated in step 1 on page 55 is displayed.)

The screen instrated in step 1 on page 55 is displayed.)

or is set to the standay mode or the disc is enrowed.

or is set to the standay mode or the disc is enrowed.

The scale of the standay mode or the disc is enrowed.

Select of card instep the pickiet (* A") and press 5ELECT.

(The screen illustrated in step 1 on page 55 is displayed.)

• Returning to the previous menu Press FIETURN that settings • Fisishing the infla settings screen Press MCMU at the inflict setting screen illustrated in step 1 on page 55. (in the case of the genote control, press SETUP, MRU Or'0".)

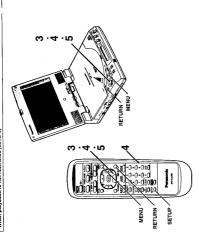
For your reference:

- In the case of the remote control, the PR items can be selected using the cursor Poultons nessed of the logistic series of the numeric burions can also be used for P selection the femals, for his case, pressing it SELCT is not hecessary.)

For Your Reference

Changing the initial settings

When "2 Ratings" is selected When playback is not restricted (Level 8)



Notes:

• Do not forget your password.

• When the rating is locked, the settings cannot be changed unless the correct password is entered.

For your reference:

• The number burions can also be used for

• The number burions can also be used for

selecting the larm, (in his case, pressing)

SELECT is not necessing,)

• Fell printing to the previous menu

• Fell printing the infalls settings coren

miscratical in step 1 on page 55. (in the

case of the remote control, press SETUP,

MENU or Or)

28

4343 ٠ : O The player is locked.
Remember the passworth Press SELECT.

S

Playback of all DVDs is prohibited (e.g. to prohibit playback of DVDs for adults which are not encoded with rating level information).

■ Level 0

o Lock All Press RETURN to carcel

Select the preferred level by using the joystick (A V) and press SELECT. in the case of the remote control, select the Item using the cursor buttons.

See page 55 for steps 1 and 2.

■ Level 8 (Factory preset)
All DVDs (for adults/general audiences/children) can be played back.

■ Level 7 – Level 2
DVDs for general audiences/children can be played back.
(DVDs for adults are prohibited.) ■ Level 1

DVDs for children can be played back.
(DVDs for adults/general audiences are prohibited.) O Telefore Superation of the Angle Person of the Angle Person SELECT.

When level 7 or lower is selected,
Enter a 4-digit password by
pressing the numeric buttons and
press SELECT.

4

(Setting is finished and the screen illustrated in step 1 on page 55 is displayed.)

Changing the initial settings



က

2 Francish
2 Doubted
3 Doubted
4 Radiano
6 Esperior
Press RETURN to cancel

Press RETURN to cancel **4**

as On-Screen 1 English (Factory preset)
English is selected as
Display language.
2 Français
3 Deutsch
4 Italiano

Español Each language is selected as On-Screen Display language.

(Setting is finished and the screen illustrated in step 1 on page 55 is displayed.)

MENU

For your reference:

The numeric buttons can also be used for selecting the items. (In this case, pressing SELECT is not necessary.)

RETURN / Numeric buttons SETUP

Returning to the previous menu
 Press RETURN.
 Finishing the initial settings screen
 Press MEUVI at the initial settings screen
 illustrated in step 1 on page 56. (in the
 case of the mnote control, press SETUP,
 MEVI or '0".)

62

3 Select "On" or "Off" by using the joystick (▲ ♥) and press SELECT. a case of the remote control, se-he item using the cursor buttons. See page 55 for steps 1 and 2.

See page 55 for steps 1 and 2.

Select the appropriate T aspect by using the joystic (A V) and press SELECT.

When "5 TV Aspect" is

1 On (Factory preaet)
On-Screen Display massages such as On-Screen Display massages such as on the screen.
2 OH screen Display massages such as On-Screen Display massages such as they and "Staff" will not be displayed on the screen.

connected.

• Video material for wide-screen formatter in the Pan & Scan style

--

Played back in the Pan & Scan style (the left and right edges are cut off) Setting is finished and the screen illustrated in step 1 on page 55 is displayed.)

Note:

The setting for '5 TV Aspect' also affects the LCD screen of the player's Elect "2 16:9' when using the player's LCD without connecting a TV set. (See page 68.)

2 16:9 (Factory preset)
Select when a wide-screen TV set is c nected or when the player's LOD is us Video material for wide-screen is played in FULL* size.
(Setting the wide-screen TV to *FULL* mode is also neces-

(Setting is finished and the screen illus ed in step 1 on page 55 is displayed.)

26

Changing the initial settings

When "6 Digital Audio Output" is sele

Select the preferred item by using the joystick (▲ ▼) and press SELECT. See page 55 for steps 1 and 2.

In the case of the remote control, select the item using the cursor buttons.

1 LPCM (OVD)
This is to be substituted that POAR analogo and the substitution of s

Powders is considered.

Powders is considered to de Heart's bit will be output during playback of the DVD recorded in DvD upper 100 plays 100 co.

When The Record is absented.

Powd (Rector) personnel of the subject of the DVD recorded in NPEC.

Betternam is output during playback of the DVD recorded in NPEC.

■ Recommended setting of "Digital Audio Output" Make settings as shown in table below dependings on the type of equipment that is connected to the audio input/output (optical digital audio output) connector using the optical original audio outble.

Setting is finished and the screen illustrated in step 3 is displayed.)

Bitstream (Factory preset)

PCM*1

-0-0:0 -0-0:0 -0-0:0 RETURN /

For your reference:

• The numeric buttons can also be used for selecting the items. (In this case, pressing SELECT is not necessary.)

•Returning to the previous menu Fress FETURN. •Finishing the initial settings Fress Metul at the minal settings screen illustrated in step 1 on page 56. In the case of the emrote control, press SETUP. MENU or '0'.)

Audio output from the player's audio input/output (optical digital surdio output) connector is commented to a Wirth 16 bit the layer is commend output to put and a layer to entrol to the light quality sound at 48 kHz25 bit25 for 50 kHz, comment the amplillent or decoder to the audio imput/brunt (obtaind sighal and output) commend resign the indenducio cable (supplied), not by the optical digital audio cable. [Seed "Off" at his "I LPCM (OVD").] Type of equipment to be connected Connected Connected Connected Conference Connected Connected Con

Connection

Each time DISPLAY MODE is pressed, the display mode of the LCD changes as follows

Display modes of the LCD

Software (4:3, Letterbox)

Software (4:3)

Software for wide-screen

Type of software Mode

Full screen

Full screen

핅

Ensure that the power switch of the player and other equipment to be connected is set to the standby
mode before commercing coveración.
 In the power switcher holes of any of the equipment and arrange them so that air can circulate
elon not block weritient notes of any of the equipment and arrange them so that air can circulate

of through the instructions before connecting other equipment.

The that you observe the color coding when connecting audio and video cables.

It has appropriate screen type at the initial setting "5 TV Aspec" according to your TV set (4.3 or the page 53.)

Connecting to a stereo TV set

Video/audio cable
(supplied) or
 S-video cable (optional)
(See page 69.)

Audio cable (optional)

Direction of signal flow

To audio input connectors (red, white)

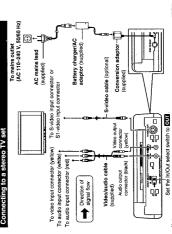
Connecting to audio equip Audio equipment (optional)

Connection

99

92

Set the In/Out select switch to OUT



Modes:

- Sund DO John W. V. Gelme may be at level free will than during TV broadcasts, etc. If this is the

- David DO John W. V. V. Gelme may be at level free will than during TV broadcasts, etc. If this is the

- David DO John W. V. V. Gelme may be at level free will be at level free will be at level free at level free will be at level free will b VCR This player

69 When connecting this paper in a TY set exploped with an Aciden in prut connector may be inconnected to the paper and the connection and managed to an unkness of yashin school recentling have been by the paper and the paper periors. Lot and unkness of yashin school was connecting the paper to a TY set equipped with an 6-steep injust connector for the best potator daily possible. When using the S-video cable, the yallow companies video plug meet not be connect-ted for the TY.

For your reference:

• Horizontal lines may appear on the screen when the display mode is set to "ZOOM": this is normal.

Note:

- It is recommended to set the display elmode to "OFF" to conserve power of to prevent battery consumption when an external to a set is commended or during playback of CDs.

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₽

OFF

Screen whose top and bottom edges are cut off

ZOOM

Changing the initial settings

When "9 Other Settings" is selected See page 55 for steps 1 and 2.

Select the preferred item by using the joystick (A ▼) and press SELECT.

 In the case of the remote control, select the item using the cursor buttons.

Select the preferred item by using the joystick (▲ ▼) and press SELECT.

In the case of the remote control, select the item using the cursor buttons.

O Gottleton

1 When "LOW DOD" is selected

On Unter PCAM a shart it is tiginal matter a cuput.

On Unter PCAM a shart it is tiginal matter a cuput.

During playback of the DVD recorded in Linear PCAM of 48 thttp20 bit24 bit or 56 kHz, no deglas lation is output.

During playback of the DVD recorded in Linear PCAM of 48 thttp20 bit24 bit or 96 kHz, During playback of the DVD recorded in Linear PCAM of 48 thttp20 bit24 bit or 96 kHz.

PDM and a cube comments on 8 thvD16 bits output.

Opput and comments on 8 thvD16 bits output.

I When "Z Doby Digital" is selected.

I Bits when "Z Doby Digital" is selected.

Obey Digital (ACA) bitsheam (10 h-5; soil) will be output during playback of the DVD opposed in Dbby Digital (ACA) is sincer this setting when the Doby Digital (ACA) is opposed to Dbby Digital (ACA).

Still Mode
 This is to caucile glaring sail mode.
 Audio duffice Search
 This is to caucile glaring sail mode.
 This so caucile general
 This so caucile general
 This so to seek this feet sound duffing rapid advance at step 1 will be heard or not.
 This is to seek this this search when video material for wide screen is played back on a covernitorial TV.
 D. (Cypramic) Bange Compression
 This is to select the audio range which will be output duffing play.

2 Field
2 Field
2 Field
2 Field
3 Field and Fi

When "1 Still Mode" is selected
 Automate (Rectory presst)
 Select his setting in general. "Frame still" and "Field still" will automatically be select his setting in general. "Frame still" and "Field still" will automatically be switched.
 Select his setting in general.

A Select the preferred item by using the joystick (▲ ▼) and press SELECT.
•In the case of the remote control, select the item using the cursor buttons.

Video material for wide-screen will be billed back in the fetterbox style (black When a speak at the pant bettern of screen).

1 of (Feterboy press)
Normal audio range is selected.

2 on.

For your reference:

• The numeric buttons can also be used for selecting the items. (In this case, pressing SELECT is not necessary.)

• Peturning to the previous menu Press RETUN. • Finishing the initial settings Press MEVU at the initial settings screen illustrated in step 1 on page 56 (in the case of the remote control, press SETUP, MENU or '''.)

Select this setting to enjoy listening to dynamic sound even on a low volume.

This is used to five the selection of the sele (Setting is finished and the screen illustrated in step 3 is displayed.)

1 DVDs recorded in Dolby Digital (AC-3) or MPEG audio are played, Dolby Digital bit, mor APEG audio bits and both stress in countries in a paying's action shorting original original origination. When the player is commercial to a Dosby Digital decoder or 5 audio decoder, you can exply better extractly audio in your times. Fron quitted in a crash coupling is required when an optional Dolby Digital decoder or crash coupling) is required when an optional Dolby Digital decoder or MECG audio. Connecting to a decoder with Dolby Digital (AC-3) or MPEG processing

Front speake (Right) Center Speaker Video/audio cable (supplied) or S-video cable (optional) (See page 69.) To optical digital audio input connector Decoder or Amplifier with Dolby Digital (AC-3)/MPEG processing (optional) (All sold separately.) Set the In/Out select switch to OUT. Ulrection of signal flow Front speaker (Left)

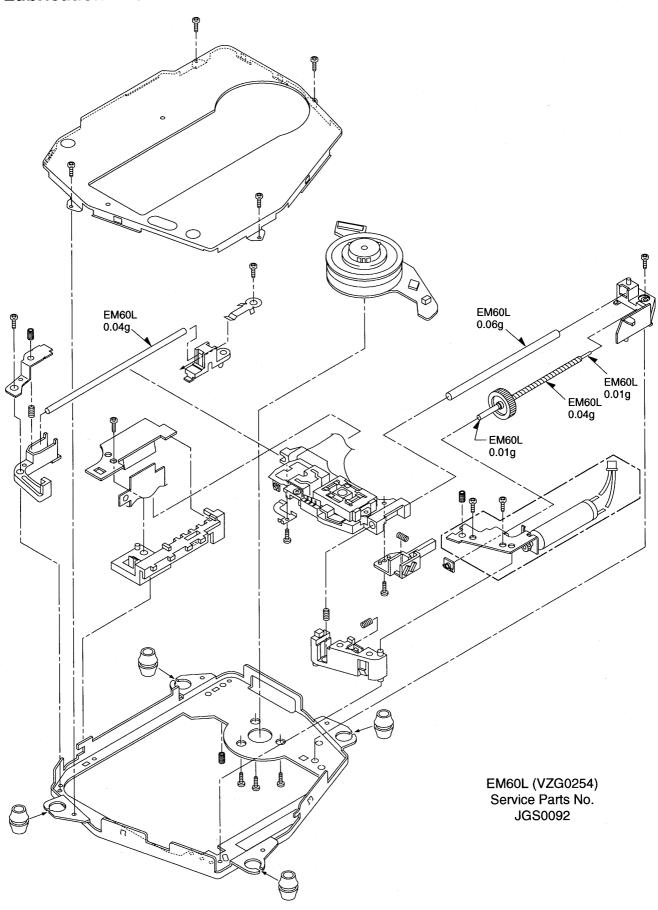
"When a Dolby Digital (AC-3)/MPEG decoder including an amplifier is connect- (Right) ed, this connection is not necessary.

Surround speaker (Left)

2

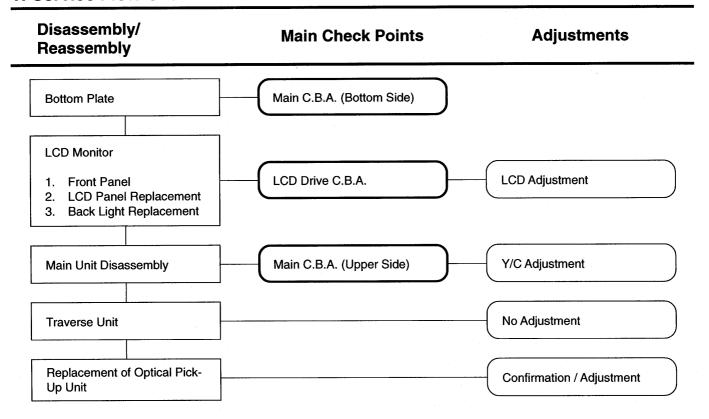
4

Lubrication Information



SECTION 2 ADJUSTMENT PROCEDURES

1. Service Flow Chart



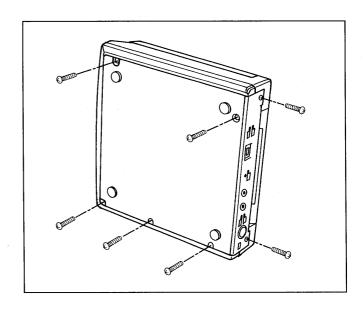
2. Disassembling and Reassembling the Casing Parts

Caution:

Make disassembling without any disc in the unit, and be careful not to scratch or otherwise damage the LCD surface.

2-1. Removing the Bottom Panel

- 1. Remove the screws on the rear panel of the unit.
- 2. Remove the screws on the bottom panel of the unit.



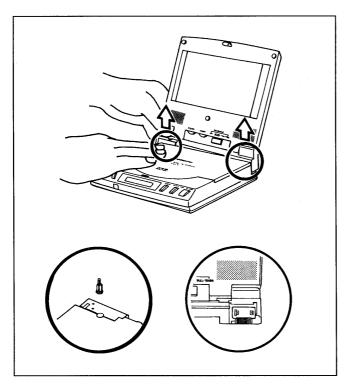
2-2. Removing the LCD Monitor Unit

1. Separate the LCD Monitor Unit from the main unit.

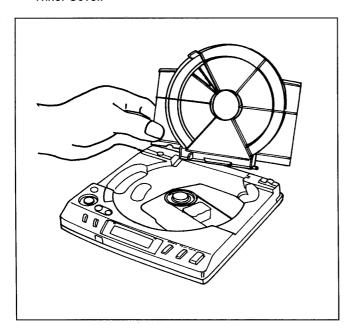
Caution:

Be careful not to damage the circled sections, since these are the sections that connect to the main unit.

Be careful not to lose the open/shut detection piece when removing the LCD display.

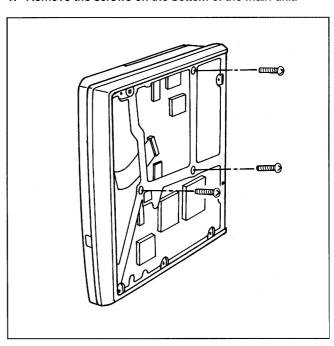


2. After removing the LCD display you can then remove the Inner Cover.

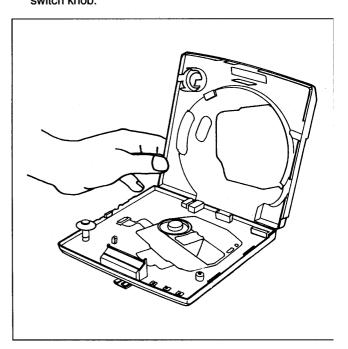


2-3. Disassembling the Main Unit

1. Remove the screws on the bottom of the main unit.

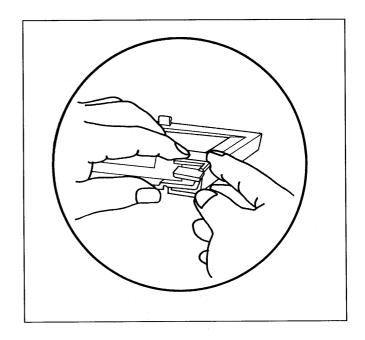


Remove the Cabinet
 When disassembling, the frame and traverse Unit are set
 with one screw. Also please take care not to lose the power
 switch knob.



<Reassembly>

Reassemble carefully in the reverse order from disassembly. Remove the laser short when changing the traverse Unit. Refer to the following drawing when assembling the hinge base.



3. Disassembling the LCD Display

Caution:

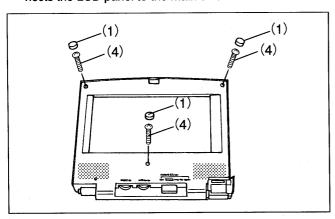
When testing electricity flows after disassembling the unit, be careful to avoid shocks from high voltage components, and be careful not to scratch or otherwise damage the LCD surface.

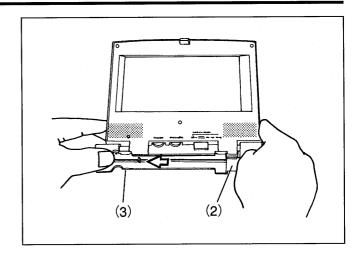
3-1. Removing the Monitor Cover

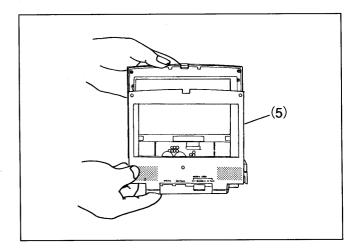
- 1. Carefully remove the screw cover, using a pair of tweezers or similar tool.
- 2. Shift hinge base B slightly to the right.
- 3. Slide hinge base A to the left.
- 4. Remove the front panel setting screws.
- 5. Slide the front panel in the direction indicated by the arrow, and remove.

(Note)

Be careful not to disconnect the flexible cable that connects the LCD panel to the main unit.

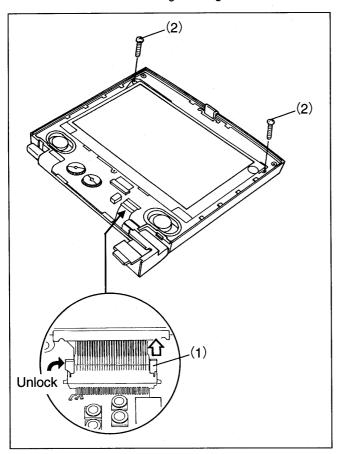


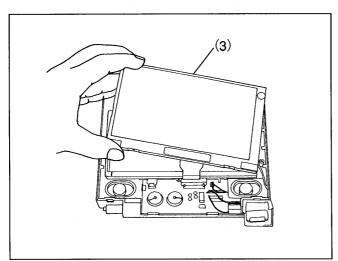




3-2. Removing the LCD Panel

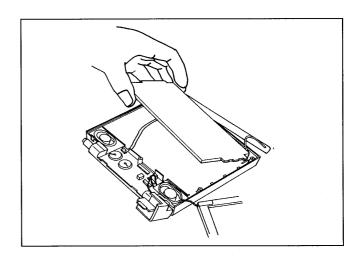
- 1. Unlock the locked connector and remove the flexible cable.
- 2. Loosen the LCD panel setting screws.
- 3. Remove the LCD panel so that it does not get damaged.
- 4. Remove the solder on the grounding wire.





3-3. Removing the Back-light

- 1. Remove the back-light under the LCD panel.
- 2. The back-light is a fluorescent light. Be careful to keep the light from cracking.



<Reassembly>

Reassemble carefully in the reverse order from disassembly.

- 1. Firmly lock the locking connector
- Insert the flexible cable for the LCD panel below the printed circuit board.
- 3. The backlight is a fluorescent light. Be careful to keep the light from cracking.

Note:

Make sure that there is no dust between the LCD panel and the back-light (even a little dust will make the LCD panel appear to be defective).

<Handling the LCD Panel>

- 1. If ghosting should occur for the LCD panel, turn off the power and leave standing for a day or so.
- 2. The LCD panel is a high precision glass product. Care should be taken, as vibrations, shocks or warping can cause the unit to break.
- Do not touch the terminal sections of the flexible cable for the LCD panel with your bare hands, as static electricity may damage the panel.
- 4. Promptly wipe any moisture off on the surface of the panel, since water droplets left on the panel for an extended period may cause discoloration or stains.

(Cleaning)

- When cleaning the display surface, wipe gently with a soft cloth soaked thoroughly with isopropyl alcohol or petroleum benzine.
- Do not wipe with a dry cloth as this can scratch the surface.
- 3. When cleaning do not for any reason use water, ketone, aromatics or halogen substances.

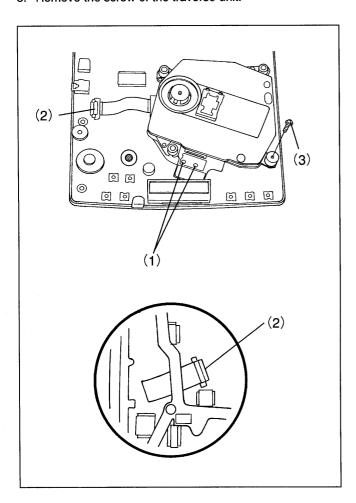
4. Replacement of the Traverse Unit

Caution:

When servicing the traverse unit, steps must be taken to prevent static electricity. Please perform the following only after static electricity countermeasures have been taken.

4-1. Removing the Traverse Unit

- Solder the laser short land on the Interface C.B.A. (2 points).
- 2. Unlock the locked connector and remove the flexible cable (2 locations).
- 3. Remove the screw of the traverse unit.



4-2. Installing the Traverse Unit

The Traverse Unit is a pre-adjusted component. Do not touch the adjustment screws.

- Assemble the flexible cable and damper with the Traverse Unit and place it at the designated positions on the main unit, and set with the screws.
- 2. Connect the flexible cables connected to the traverse unit and lock the connector firmly.
- 3. Remove the solder on the laser short land of the flexible cable (unless the solder is fully removed, the laser diode will not emit light).
- 4. No adjustment is needed when replacing the Traverse Unit.

5. Replacing the Optical Pick-Up Unit

Cautions when replacing the optical pick-up unit.

- 1. When servicing the optical pick-up unit, steps must be taken to prevent static electricity.
- Perform the replacement on a work table in a clean, dust free environment.
- 3. Only replace the optical pick-up unit as the replacement part. Don't replace the another part in the unit, since adjustment may not be possible.
- 4. Be careful not to lose small parts such as springs or screws when disassembling the traverse unit.

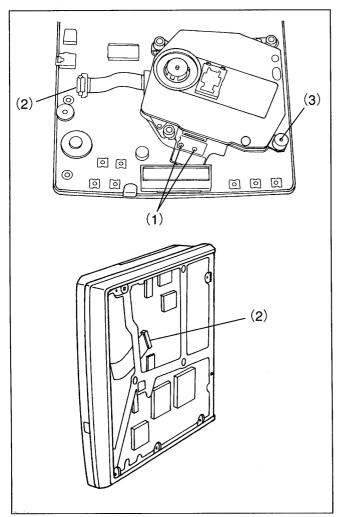
Caution:

The Traverse Unit is a high precision optical component. Do not touch around the lens or expose the traverse unit to jarring or shocks.

5-1. Confirm Before Removing the Optical Pickup Unit

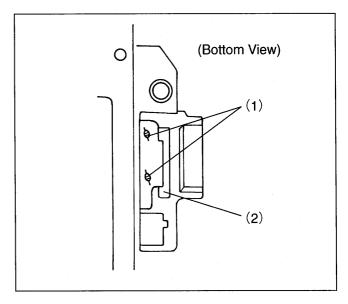
Before replacement of the optical pick-up, perform the following steps surely.

- 1. Solder the laser short land on the interface C.B.A. (2 points).
- Unlock the lock of connector and disconnect the flexible cable.
- 3. Unscrew the screws on the traverse unit.



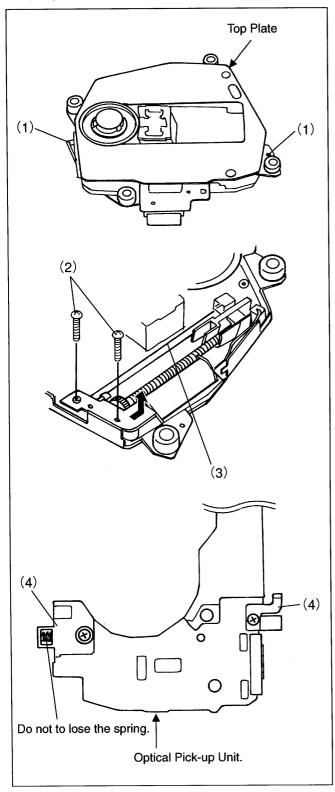
5-2. Countermeasures to Prevent Static Electricity

- 1. Solder the short land on the flexible cable of the optical pickup unit at the bottom of the Traverse Unit (2 points).
- 2. Remove the flexible cable on the optical pick-up unit (locking connector).



5-3. Removing the Optical Pick-up Unit

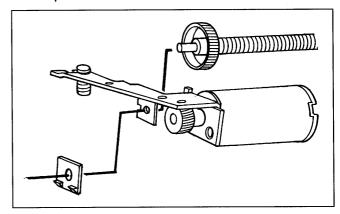
- Remove the screws and lift off the top plate of the Traverse Unit.
- 2. Remove the screws of the gear box, and lift it.
- 3. Remove the optical pick-up unit while lifting the shaft (be careful of the spring under the shaft).
- 4. Replace the optical pick-up unit (be careful not to lose any springs or screws).



5-4. Installing the Optical Pick-up Unit.

Traverse Unit is a pre-adjusted component. Do not touch the adjustment screws.

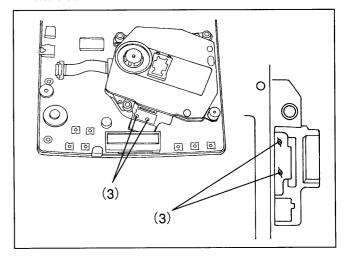
- Pass the shaft through the optical pickup and set the position
- Temporarily assemble the gear box and install to the specific position.



<Confirmation After Installing the Optical Pick-up Unit>

After completing Installation of the optical pick-up unit, verify the following procedures:

- 1. Remove the two soldered short points on the flexible cable for the optical pickup.
- 2. Install the Traverse Unit and connect the flexible cable to the main unit.
- Finally, remove the two soldered short points on the Traverse Unit.



After replacing the optical pick-up unit, confirm the picture quality and perform optical adjustment.

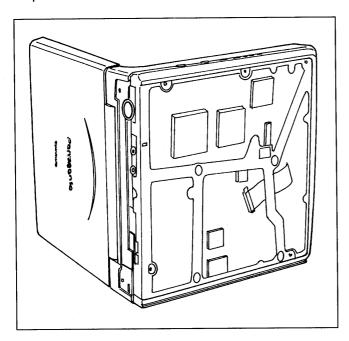
6. Service Information in Adjustment

Caution:

If the laser has to be turned on, such as when checking the playback, do not look under any condition at the laser beam.

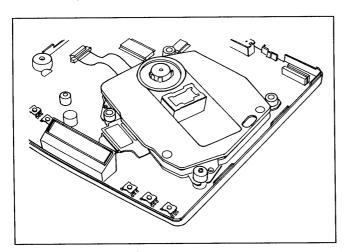
6-1. Checking the Main C.B.A. (1)

1. The main C.B.A. can be checked by removing the bottom plate.



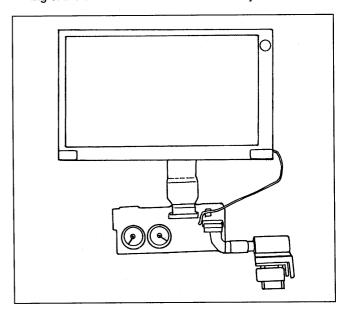
6-2. Checking the Main C.B.A. (2)

- Disassemble the main unit to the upper and the lower section.
- 2. Turn the inner cover detection switch ON (SW5201, SW5201).



6-3. Checking the LCD Drive C.B.A.

1. Disassembly as shown in the figure below and the checking of the drive C.B.A. can be made easily.



<Initializing DVD Player>

After repair has been completed initialize the DVD Player.

<Initializing Method>

While simultaneously pressing and holding the 「STILL/PAUSE」 and 「SKIP/SEARCH ▶▶」 buttons on the player, turn on the POWER switch. The DVD player will then be initialized at the factory shipping condition. During initializing, "INITIALIZING" or "INITIALIZED" are displayed on the LCD Display and External Monitor.

Caution:

When the initialization has been made, the contents of user initial setting is lost. Therefore, before making initialization, previousely memorize the contents of user initial setting and

7. Adjustment Procedures

Caution:

Take static electricity countermeasures prior to beginning adjustment of the optical system, and perform adjustments as following procedures.

<Equipment Required for Adjustment>

Measuring Equipment
 Oscillasses and other general management

Oscilloscope and other general measuring equipment

2. DVD Test Disc

Part No.: DVDT-S01 (Single Layer)

3. Video-CD/CD-DA Test Disc

Part No.: PVCD_K06 or other disc sold on the market.

4. Other

Conventional tools, Hex. Wrench etc.

<Pre-caution for Optical adjustment.>

- Tilt Adjustment is necessary for optical adjustment whenever the following parts have been replaced:
 - 1. Replacing the disc motor.
 - 2. Replacing the optical pick-up unit.
 - 3. Replacing the Traverse Motor.
 - 4. Replacing parts around the laser pick-up (rails, etc.). Primarily adjustments are not required for replacing other parts included in the Traverse Unit. Adjust, however, if the picture degrades. Optical adjustment of the optical pick-up cannot be performed.
- 2. Primarily adjustment is not necessary when the Traverse Unit has been replaced.
- 3. Adjust as directed in the adjustment guidelines.

<Storing and Maintaining Test Discs>

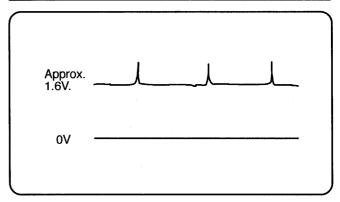
Surface precision is required for the DVD test disc. Care is necessary when storing and maintaining the disc.

- After use, do not place the disc directly on a table or similar surface.
- Handle the disc carefully, so that it maintains its flat surface, and store it vertically in its exclusive case after use. Store in a cool location that is not exposed directly to sunlight or breezes from air conditioning.
- Accurate adjustment will not be possible if the disc has been placed on a glass or similar surface, causing the disc to warp. Use a new test disc to perform optical adjustment.
- If a warped disc is used for adjustments, the adjustments will be distorted, and it may not be possible to play other discs.

7-1. Optical (Mechanical) Adjustment

7-1-1. Tilt Adjustment

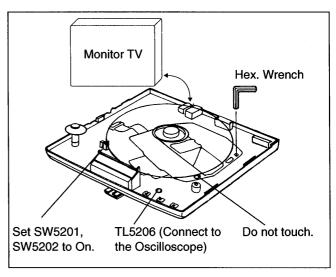
Measure- ment Point	Adjustment Point	Mode	Test Disc			
TL5206	Tilt Adjustment Screw	PLAY (Title 8)	DVDT-S01			
Measurement	t Equipment	Adjustment Value				
	oscope Mode)	Minimized the voltage value at TL5206				



Remove the soldered short points before adjustment.

Purpose: To minimize jitter elements.

- 1. Set as the figure below.
 - 1-1. Connect lead line to TL5206 and connect to the oscilloscope.
 - 1-2. Connect the monitor TV, in order to confirm the playback picture.
 - (The LCD display is not needed.)
 - 1-3. Turn the SW5201, SW5202 On, since playback is not possible when the disc cover has been removed.
- 2. Play Title 8 of the DVD test disc.
- Turn the adjustment screw several times to the left and right so that the TL5206 voltage value is minimized.
 Adjustment will become impossible if turned too many times.



7-2. LCD Display Adjustment (for DVD-L10)

After replacing the LCD panel, perform the following checks and adjustments. A back light is necessary for adjustment, and the "BRIGHT" and "COLOR" volume must be adjusted to the center position.

7-2-1. White Balance Adjustment (for DVD-L10)

Measure- ment Point	Adjustment Point	Mode	Test Disc			
LCD Display	VR8001 VR8002	10 Step (TITLE 19)	DVDT-S01			
Measuremen	t Equipment	Adjustment Value				
Nake	ed eye	Adjust so that the overall image becomes black and white.				

Purpose: Adjust white as the standard of color

- 1. Cut the color signal off as shown method below.
- 2. Play Title 19 of the DVD test disc.
- 3. Adjust VR8001 (W/B-B) and VR8002 (W/B-R) mutually so that the overall LCD image becomes white and black.
- 4. After adjusting, reset the color signal cut.

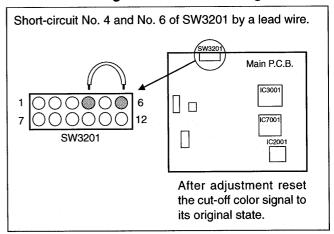
7-2-2. Adjustment During ZOOM Mode (for DVD-L10)

Measure- ment Point	Adjustment Point	Mode	Test Disc			
LCD Display	VR8403	Color Bar (TITLE 12)	DVDT-S01			
Measuremen	t Equipment	Adjustment Value				
Nake	d eye	Adjust so that the horizontal lines is reduced during ZOOM.				

Purpose: Adjustment so that the horizontal lines during Zoom are not obvious.

- 1. Play back Title 12 of the DVD test disc.
- 2. Set the display mode to ZOOM.
- Adjust VR8403 to reduce the horizontal lines on the LCD display.
- Horizontal lines will not be completely eliminated during ZOOM.

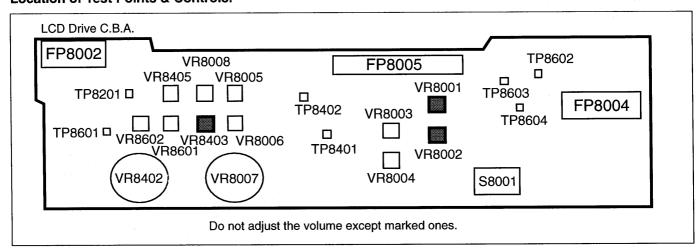
Method of Cutting Off the Chromatic Signal



<Confirmation After Adjustment>

Playback the test disc or a disc sold on the market, and confirm that the colors are displayed properly.

Location of Test Points & Controls.



7-3. Electrical Adjustment (Main Unit)

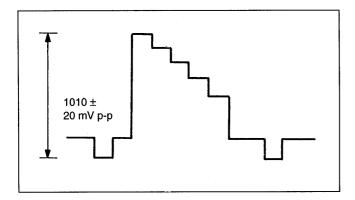
7-3-1. Video Output (Luminance Signal) Adjustment

Measure- ment Point	Adjustment Point	Mode	Test Disc			
TP3201 S Connector	VR3021	Color Bar Play	DVDT-S01			
Measuremer	t Equipment	Adjustment Value				
Oscill	oscope	1010 ± 2	0 mV p-p			

Purpose: For compatibility of video output signal.

- Connect the monitor TV to the video output connector, and terminate at 75 Ohms Load.
- 2. Play back Title 12 (Color Bar part) of the DVD test disc.
- 3. Adjust VR3021 so that the luminance signal output (including the sync chip) is as shown below.

Adjustment Value = 1010 ± 20 mVp-p



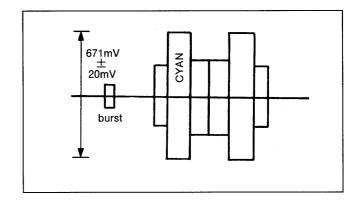
7-3-2. Video Output (Chrominance Signal) Adjustment

Measure- ment Point	Adjustment Point	Mode	Test Disc			
TP3202 S Connector	VR3022	Color Bar Play	DVDT-S01			
Measuremen	t Equipment	Adjustment Value				
Oscill	oscope	671 ± 20) mV p-p			

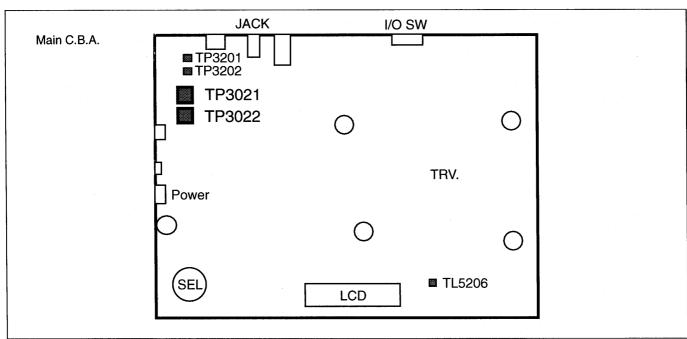
Purpose: For compatibility of video output signal.

- 1. Connect the monitor TV to the video output connector, and terminate at 75 Ohms Load.
- 2. Play back Title 12 (Color Bar part) of the DVD test disc.
- 3. Adjust VR3022 so that the luminance signal output (including the Cyan part) is as shown below.

Adjustment Value = 671 ± 20 mVp-p



Location of Test Points & Controls



SECTION 3 BLOCK DIAGRAM/SCHEMATIC DIAGRAM/ CIRCUIT BOARD DIAGRAM

3-1. ABBREVIATIONS

INIE	TIAL/LOGO	ABBREVIATIONS	T INI	TIAL/LOGO	ABBREVIATIONS
				DSC	DIGITAL SERVO CONTROLLER
A	A0~UP	ADDRESS .		DSLF	DATA SLICE LOOP FILTER
	ACLK	AUDIO CLOCK			
	AD0~UP	ADDRESS BUS		DVD	DIGITAL VIDEO DISC
	ADATA	AUDIO PES PACKET DATA			
	ALE	ADDRESS LATCH ENABLE	E	EC	ERROR TORQUE CONTROL
	AMUTE	AUDIO MUTE		ECR	ERROR TORQUE CONTROL
	AREQ	AUDIO PES PACKET REQUEST			REFERENCE
1	ARF	AUDIO RF		ENCSEL	ENCODER SELECT
	ASI	SERVO AMP INVERTETED INPUT		ETMCLK	EXTERNAL M CLOCK (81MHz/40.5MHz)
	ASO	SERVO AMP OUTPUT		ETSCLK	EXTERNAL S CLOCK (54MHz)
		AUDIO WORD DISTINCTION SYNC		LIGOLIK	EXTERIORE O GEOOR (O MINIE)
Į l	ASYNC	AUDIO WORD DISTINCTION STINC	F	FBAL	FOCUS BALANCE
<u> </u>			⊣ r		
В	BCK	BIT CLOCK (PCM)		FCLK	FRAME CLOCK
	BCKIN	BIT CLOCK INPUT	1	FE	FOCUS ERROR
	BDO	BLACK DROP OUT		FFI	FOCUS ERROR AMP INVERTED INPUT
	BLKCK	SUB CODE BLOCK CLOCK		FEO	FOCUS ERROR AMP OUTPUT
	воттом	CAP, FOR BOTTOM HOLD	1	FG	FREQUENCY GENERATOR
	BYP	BYPATH		FSC	FREQUENCY SUB CARRIER
İ	ВҮТСК	BYTE CLOCK		FSCK	FS (384 OVER SAMPLING) CLOCK
	BITOK	BITE OLOOK		rook	10 (00 1 0 1 2 1 1 0 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
С	CAV	CONSTANT AUGULAS VELOCITY	G	GND	COMMON GROUNDING (EARTH)
1	CBDO	CAP. BLACK DROP OUT			
	CD	COMPACT DISC	Н	HA0~UP	HOST ADDRESS
1	CDSCK	CD SERIAL DATA CLOCK		HD0~UP	HOST DATA
	CDSRDATA	CD SERIAL DATA		HINT	HOST INTERRUPT
1			ŀ	HRXW	HOST READ/WRITE
1	CDRF	CD RF (EFM) SIGNAL		HHAW	HOST READ/WHITE
	CDV	COMPACT DISC-VIDEO	<u> </u>	1500155	I SOOTO SODIAT DATA CUITOUT
	CHNDATA	CHANNEL DATA	ו	IECOUT	IEC958 FORMAT DATA OUTPUT
	CKSL	SYSTEM CLOCK SELECT		IPFLAG	INTERPORLATION FLAG
1	CLV	CONSTANT LINEAR VELOCITY		IREF	I (CURRENT) REFERENCE
	COFTR	CAP. OFF TRACK		ISEL	INTERFACE MODE SELECT
1	CPA	CPU ADDRESS			
	CPCS	CPU CHIP SELECT	L	LDON	LASER DIODE CONTROL
İ	CPDT	CPU DATA		LPC	LASER POWER CONTROL
	CPUADR	CPU ADDRESS LATCH		LRCK	L CH/R CH DISTINCTION CLOCK
	CPUADT	CPU ADDRESS DATA BUS			
1	CPUIRQ	CPU INTERRUPT REQUEST	м	MA0~UP	MEMORY ADDRESS
1	CPRD	CPU READ ENABLE	""	MCK	MEMORY CLOCK
1	1		1		MEMORY CLOCK INPUT
1	CPWR	CPU WRITE ENABLE		MCKI	
	CS	CHIP SELECT	1	MCLK	MEMORY SERIAL COMMAND CLOCK
	CSYNCIN	COMPOSITE SYNC IN	1	MDATA	MEMORY SERIAL COMMAND DATA
	CSYNCOUT	COMPOSITE SYNC OUT		MDQ0~UP	MEMORY DATA INPUT/OUTPUT
1			_	MDQM	MEMORY DATA I/O MASK
D	DACCK	D/A CONVERTER CLOCK	1	MLD	MEMORY SERIAL COMMAND LOAD
	DEEMP	DEEMPHASIS BIT ON/OFF		MPEG	MOTION PICTURE IMAGE CODING
1	DEMPH	DEEMPHASIS SWITCHING	İ		EXPERT GROUP
1	DIG0~UP	FL DIGIT OUTPUT			
1	DIN	DATA INPUT	0	ODC	OPTICAL DISC CONTROLLER
1	DMSRCK	DM SERIAL DATA READ CLOCK	•	OFTR	OFF TRACKING
	1			OSCI	
	DMUTE	DIGITAL MUTE CONTROL			OSCILLATOR OLITPUT
1	DO	DROP OUT		osco	OSCILLATOR OUTPUT
1	DOUT0~UP	DATA OUTPUT		OSD	ON SCREEN DISPLAY
1	DRF	DATA SLICE RF (BIAS)			
	DRPOUT	DROP OUT SIGNAL	Р	P1~UP	PORT
	DREQ	DATA REQUEST		PCD	CD TRACKING PHASE DIFFERENCE
	DRESP	DATA RESPONSE		PCK	PLL CLOCK
			-	<u> </u>	

INI	ITIAL/LOGO	ABBREVIATIONS		INI	TIAL/LOGO	ABBREVIATIONS
	PDVD	DVD TRACKING PHASE DIFFERENCE		T	TRON	TRACKING ON
1	PEAK	CAP. FOR PEAK HOLD	1		TRSON	TRAVERSE SERVO ON
	PLLCLK	CHANNEL PLL CLOCK	- 1			
	PLLOK	PLL LOCK	V	,	VBLANK	V BLANKING
	PWMCTL	PWM OUTPUT CONTROL			VCC	COLLECTOR POWER SUPPLY
	PWMDA	PULSE WAVE MOTOR DRIVE A				VOLTAGE
	PWMOA, B	PULSE WAVE MOTOR OUT A, B			VCDCONT	VIDEO CD CONTROL (TRACKING
						BALANCE)
R	RE	READ ENABLE			VDD	DRAIN POWER SUPPLY VOLTAGE
	RFENV	RF ENVELOPE			VFB	VIDEO FEED BACK
	RFO	RF PHASE DIFFERENCE OUTPUT			VREF	VOLTAGE REFERENCE
	RS	(CD-ROM) REGISTER SELECT			VSS	SOURCE POWER SUPPLY VOLTAGE
	RSEL	RF POLARITY SELECT				
	RST	RESET	. W	V	WAIT	BUS CYCLE WAIT
	RSV	RESERVE			WDCK	WORD CLOCK
					WEH	WRITE ENABLE HIGH
S	SBI0, 1	SERIAL DATA INPUT			WSR	WORD SELECT RECEIVER
	SBO0	SERIAL DATA OUTPUT				
	SBT0, 1	SERIAL CLOCK	Х	(Х	X'TAL
	SCK	SERIAL DATA CLOCK			XALE	X ADDRESS LATCH ENABLE
	SCKR	AUDIO SERIAL CLOCK RECEIVER	ŀ		XAREQ	X AUDIO DATA REQUEST
	SCL	SERIAL CLOCK			XCDROM	X CD ROM CHIP SELECT
	SCLK	SERIAL CLOCK			xcs	X CHIP SELECT
	SDA	SERIAL DATA			XCSYNC	X COMPOSITE SYNC
	SEG0~UP	FL SEGMENT OUTPUT		- 1	XDS	X DATA STROBE
	SELCLK	SELECT CLOCK			XHSYNCO	X HORIZONTAL SYNC OUTPUT
	SEN	SERIAL PORT ENABLE			XHINT	XH INTERRUPT REQUEST
	SIN1, 2	SERIAL DATA IN			ΧI	X'TAL OSCILLATOR INPUT
	SOUT1, 2	SERIAL DATA OUT			XINT	X INTERRUPT
	SPDI	SERIAL PORT DATA INPUT			XMW	X MEMORY WRITE ENABLE
	SPDO	SERIAL PORT DATA OUTPUT			XO	X'TAL OSCILLATOR OUTPUT
	SPEN	SERIAL PORT R/W ENABLE			XRE	X READ ENABLE
1	SPRCLK	SERIAL PORT READ CLOCK			XSRMCE	X SRAM CHIP ENABLE
	SPWCLK	SERIAL PORT WRITE CLOCK			XSRMOE	X SRAM OUTPUT ENABLE
1	SQCK	SUB CODE Q CLOCK	- 1		XSRMWE	X SRAM WRITE ENABLE
	SQCX	SUB CODE Q DATA READ CLOCK	ŀ		XVCS	X V-DEC CHIP SELECT
	SRDATA	SERIAL DATA			XVDS	X V-DEC CONTROL BUS STROBE
	SRMADR	SRAM ADDRESS BUS	j		XVSYNCO	X VERTICAL SYNC OUTPUT
	SRMDT0~7	SRAM DATA BUS 0~7	1			
	SS	START/STOP				
	STAT	STATUS				
	STCLK	STREAM DATA CLOCK				
	STD0~UP	STREAM DATA INDUST ENABLE				
	STENABLE	STREAM DATA BOLABITY SELECT				
	STSEL STVALID	STREAM DATA VALIDITY				
	STVALID	STREAM DATA VALIDITY SUB CODE SERIAL				
	SBCK	SUB CODE SERIAL SUB CODE CLOCK				
	SUBQ	SUB CODE Q DATA				
	SYSCLK	SYSTEM CLOCK	ľ			
	OTOOLIX	J. OTEM OLOOK				
T	TE	TRACKING ERROR				
	TIBAL	BALANCE CONTROL				
	TID	BALANCE OUTPUT 1				
	TIN	BALANCE INPUT				
	TIP	BALANCE INPUT				
	TIS	BALANCE OUTPUT 2				
	TPSN	OP AMP INPUT				
	TPSO	OP AMP OUTPUT				
	TPSP	OP AMP INVERTED INPUT				
	TRCRS	TRACK CROSS SIGNAL				
L						I

3-2. VOLTAGE CHART

The following voltage value is measured in STOP mode without the Disc,and in PLAY mode with the DVD Disc.

Connect the minus (GND) side probe of the voltage measurement equipment to the J1001-3 Pin (+9V External Power Connector) on the Main C.B.A.

LCD - DRIVE C.B.A.

TRANSISTOR

፠.STOP MODE

	Q8002 Q8004 Q8005		Q8101	Q8201	Q8401		Q8403		Q8406		Q8407		Q8901									
В	2.1	△1.5	1	3.8	4	4.4	3.0	0.4	1	0.5	4	7.3	① △9.0	④ △0.1	①	0.5	④	1.6	① 🛆	9.0	④ △7.8	2.3
C	5.1		2	4.4	(5)	1.5	5.1	3.0	2	1.1	(S)	△14.9	② △8.4	⑤ △14.9	2	1.1	(5)	1.1	② △	3.4	⑤ △8.4	0.1
F	1.4			0.1	6	5.1	2.4	0.1	3	1.6	Τ-		③ △7.8		3	△15.1	6	7.5	③ △1	5.1	6 7.5	0.1

	QR8002	QR8202	QR8501
В	1.6	0.4	2.3
С	3.7	3.0	0.1
F	0.1	0.1	0.1

I C

***.STOP MODE**

28		

1	2	3	4	(5)	6	7	8	9	10	11)	12	3	14)	15)	16)
2.5		2.6	0.5	2.8	3.5	3.5	1.0	2.0	2.0	2.0	3.0	3.2	4.4	2.7	3.2
17	(18)	(19)	20	(21)	2	②	24)	25)	26	27	28	29	8	<u>(S</u>	8
0.1		2.6	3.0	2.6	2.9	7.5	2.6	2.9	2.0	2.5	2.2	2.1	2.2	2.3	1.6
33	(34)	35)											(49)		
1.6	5.0	0.4	2.3	2.2	3.5	0.1	2.1	2.1	2.1	5.1	1.3	2.7	2.7	3.3	2.7

IC8204

IC8403

1	2	3	4	(5)	6	7	8	9	10	11	12	13	14)	(15)	16
0.4	2.9	0.1	2.3	3.1	2.9	3.1	0.4	3.1	0.1	0.1	0.1	3.1	1.6	0.1	0.6
(17)	(18)	(19)	20	(21)	2	3	24)	25	26	27	28	(29)	30	3	8
0.3	0.3	0.3	0.1	0.5		0.1			0.1	1.5	0.1	1.5	0.1	0.1	0.1
33)	(34)	35)	36	37)	38)	39	40	4 1	42	43	44)	45	46	47	48
1.6	0.1	3.2	1.6	1.5	0.1	3.2	3.1	0.1	0.1	3.2	3.2	3.2	0.1	3.2	0.1

IC8401

1	2	3	4	(5)	6	7	8
5.8	5.8	5.8	0.1	5.8	5.8	5.8	11.5

IC8404

<u>(</u>	(D)	3	4	(5)	(6)	7	8					(5)	
5.8	5.8	5.8	0.1	5.8	5.8	5.8	11.5	0.1	5.0	0.1	0.1	5.1	L

IC8002

1	2	3	4	(5)	(6)	7	8
2.6	0.1	0.1	0.1	3.7	4.7	0.6	7.5

IC8003

1	@	(6)	4	(5)	6	7	8	9	10	11)	12	(13)	14)	15	16
2.6	2.6	2.6	2.6	2.6	0.1	0.1	0.1	6.5	6.5	6.5	2.6	2.6	2.6	2.6	7.5

IC8202

1	2	3	4	(5)	6	7	8
0.4	0.2	0.2	0.1	3.1	3.0	2.9	3.2

IC8203

1	2	3	4	(5)	6	7	(8)	9	10	(1)	12	(13)	14)
3.2	2.3	0.6	3.2	0.1	3.2	0.1	3.2	0.1	3.1	0.9	0.1	2.8	3.2

IC8402

1	2	3	4	5	6	7	8
5.8	0.1	0.1	0.1	11.5	5.8	5.8	11.5

MAIN C.B.A.

 (1)
 (2)
 (3)
 (4)
 (5)
 (6)
 (7)
 (8)

 1.6
 2.3
 0.5
 0.1
 2.8
 0.9
 0.9
 3.2

TRANSISTOR

	Q10	001	Q10	005	Q1	007		Q1	008			Q1	009		Q1010	Q10	011
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP			AY	ST	TOP .	. Pl	AY .	STOP	STOP	PLAY
В	8.4	8.4	8.4	8.4	8.8	8.8	① 8.6 ④	4.9	① 8.6	4.9	① 8.6	4.9	① 8.6	4.9	8.8	4.2	4.2
С	9.1	9.1	9.1	9.1	0.1	0.1	② 9.2 ⑤	4.9	② 9.2	⑤ 4.9	② 9.2	⑤ 4.9	② 9.2	⑤ 4.9	3.3	4.8	4.8
F	9.1	9.1	9.1	9.1	9.1	9.1	③ 0.1		③ 0.1		3 0		3 0	I —	9.1	4.8	4.8

6 7 8

	Q1012 Q2501		2501	Q3	001	Q3	002	Q3	201	Q3	202	Q3;	203	Q3	204		
	STOP	PLAY		STOP	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	
В	2.6	2.6	① 9.1	(4) 0.1	0.4	0.6	0.9	0.9	2.3	2.3	0.6	0.6	0.7	0.7	1.7	1.7	
Ī	3.2	3.2	② 9.1	⑤ 0.1	0.1	0.1	0.1	0.1	0.6	0.6	2.7	2.7	1.7	1.7	0.7	0.7	
E	3.2	3.2	③ 0.1	T	1.0	1.3	1.5	1.5	2.9	2.9	0.1	0.1	0.1	0.1	2.4	2.4	

	Q32	205	Q40	001	Q4003	Q40	004	Q5	201	Q52	202	QR ²	1002	QR1	003	QR1	1004
	STOP	PLAY	STOP	PLAY	STOP	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
B	0.6	0.6	0.7	△0.1	0.8	0.7	△0.1	4.4	4.4	4.4	3.2	4.9	4.9	9.0	9.0	0.1	0.1
C	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	1.1	1.6	2.3	0.1	0.1	0.1	0.1	9.0	9.0
Ě	1.3	1.3	0.1	0.1	0.1	0.1	0.1	4.8	4.8	4.8	3.8	0.1	0.1	9.1	9.1	0.1	0.1

	QR1	006	QR ⁻	1013	QR4	1001	QR4	002	QR	4003	QR4	004	QR4005	QR4	006	QR	3311
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	STOP	PLAY	STOP	PLAY
В	4.9	4.9	4.8	4.8	0.1	3.9	0.1	0.1	0.1	3.5	3.5	3.5	4.9	0.1	0.1	0.1	0.1
C	0.1	0.1	0.1	0.1	2.2	0.1	2.1	0	3.5	0.1	0.1	0.1	0.1	0.1	3.9	4.6	4.6
F	0.1	0.1	0.1	0.1	0.1	0.1	2.2	0.1	0.1	0.1	0.1	0.1	4.8	0.1	0.1	0.1	0.1

I C

IC1001

	1	2	3	4	(5)	6	7	8	9	10	(1)	12	(13)	14)	15	16
STOP	0.9	1.7	1.2	1.2	4.8	1.2	1.2	1.7	1.6	0.3	8.8	9.0	5.7	9.1	5.5	9.0
PLAY	0.9	1.7	1.2	1.2	4.8	1.2	1.2	1.7	1.6	0.3	8.8	9.0	5.7	9.1	5.5	9.0
	17)	18	(19)	20	21)	2	3	24)	(25)	26	(g)	28	29	8	(3)	88
STOP	8.8	0.3	0.4	8.6	8.7	4.0	9.1	4.1	8.6	8.6	0.4	0.8	1.6	1.2	1.2	1.2
PLAY	8.8	0.3	0.4	8.6	8.7	4.0	9.1	4.1	9.6	8.6	0.4	0.8	1.6	1.2	1.2	1.2
	33)	34)	35)	36	37)	38)	39	40	41)	42	43	44)	45)	46	47	48
STOP	1.2	1.6	0.8	0.1	9.1	2.4	0.1	0.1	2.4	0.1	1.0	1.0	1.6	1.0	1.4	9.1
PLAY	1.2	1.6	8.0	1.7	9.1	2.4	0.1	0.1	1.5	0.1	1.0	1.0	1.6	1.0	1.4	9.1

IC1002

	1	2	3	4	(5)	6
STOP	9.1	0.1	1.3	5.0	0.1	9.1
PLAY	9.1	0.1	1.3	5.0	0.1	9.1

IC1003

	1	2	3	4	(5)	6	7	8
STOP	5.0	2.4	2.8	0.1	3.1	2.4	5.0	5.0
PLAY							5.0	

IC2001

	1	2	3	4	(5)	6	7	8	9	10	11)	12	13	14)	15)	16	17	(8)	19	20	21)	2	3	24)	25)
STOP	2.4	0.1	2.4	0.1	4.8	4.8	4.8	4.8	0.1	0.1	4.8	0.1	0.1	0.1	0.1	4.8	4.6	0.1	4.8	4.8	4.9	4.8	4.6	0.1	0.1
PLAY	2.5	0.1	2.4	4.8	4.8	4.7	4.8	4.8	0.1	0.1	0.1	4.8	4.8	0.1	0.1	4.8	4.6	0.1	4.4 ~4.8	4.8	4.9	4.8	4.7	0.1	0.1
	26)	27)	28)	29	30	(31)	32	33	3 4)	35	36	37)	38	8	40	41)	₽	43	4	4 5	(49)	47)	48	49	6 9
STOP	0.1	2.3	0.1	4.8	0.1	0.1	4.8	0.1	2.4	0.1	0.1	0.1	0.1	4.8	2.3	2.3	0.1	1.4	2.4	2.7	2.4	3.2	0.1	0.1	0.1
PLAY	0.1	1.2	0.1	4.8	4.8	0.1	4.8	0.1	2.5	0.1	0.1	3.2	0.1	0.1	1.2	1.2	0.1	0.4	2.4	2.9	3.0	3.2	0.4 ~0.6	0.1	0.1
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	68	(59)	60	61	@	(63)	64	(66)	66	66)	8	8	70)	\odot	12	(73)	74)	75
STOP	4.8	2.4	2.4	2.4	0.1	0.1	1.2	2.2	3.2	4.8	2.2	1.6	2.2	3.2	1.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
PLAY	4.8	2.4	2.4	2.2	0.1	0.1	1.2	2.2	3.2	4.8	2.2	1.9	2.2	3.2	1.2	2.2	0.5	1.8	2.3	2.2	2.2	2.1	2.2	2.2	2.6
	76	77)	78	79	80	81	®	83	84)	85	86	87	88	89	90	91	92	93)	94)	95)	96	97	8	99	®
STOP	4.8	0.1	2.2	2.1	2.7	2.3	2.2	2.2	2.2	2.2	2.1	0.1	2.1	4.8	0.8	2.2	0.9	0.8	4.8	2.4	4.7	0.1	2.4	2.4	2.4
PLAY	4.8	0.1	2.2	2.2	2.3	2.6	2.2	2.3	2.2	2.0	2.1	0.1	2.1	2.4 ~2.6	0.8	0.8	3.6	0.8	4.8	2.2	4.8	4.8	1.7	3.2	2.5

IC2501

.0_0														
	1	2	3	4	(5)	6	7	8	9	10	(1)	12	(13)	14)
STOP	2.4	2.4	2.5	2.3	2.4	2.5	2.1	0.1	4.8	2.4	2.4	0.1	4.9	0.1
PLAY	2.4	2.4	2.4	2.4	2.4	2.4	0.7	4.8	2.4	2.4	2.3	0.7	4.9	0.1
	(15)	16	17)	18)	19	20	21)	2	23	24)	(25)	26	(S)	28
STOP	0.1	0.1	9.1	0.1	9.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1	0.1
PLAY	1.6	0.1	7.8	2.0	9.1	2.6	0.8	2.6	0	0	1.5	1.4	0	0.1

IC2502

	1	2	3	4	(5)	6	7	8	9	10	(1)	(2)	(13)	14)	(5)	16
STOP	0.1	6.9	0.1	0.1	4.9	0.1	0.1	0.1	4.9	0.1	0.1	0.1	4.9	2.4	2.4	4.9
PLAY	0.1	9.2	0.1	0.1	4.9	0.1	0.1	0.1	4.9	0.3	0.1	0.2	4.9	2.4	2.4	4.9
	17	18)	19	20	21)	2	3	24)	25)	26	27	28	8	8	31)	8
STOP	4.9	2.4	2.4	4.9	0.1	0	0.1	4.9	0.1	0.1	0.1	4.9	0.1	0.1	7.2	2.4
PLAY	4.9	3.2	1.7	4.9	0.1	- 0	1.5	4.9	0.1	0.1	0.1	4.9	0.1	0.1	6.9	2.4

IC3001

10000	•																															
	1	2	3	4	(5)	6	7	8	9	10	11)	12	13	14)	15)	16	17)	18)	19	8	21)	2	23)	24)	(25)	26	27	28)	æ	30	31)	®
STOP	0.1	3.2	0	3.2	3.2	0	0.1	3.2	3.2	3.2	3.2	3.2	0.1	3.2	3.2	3.2	3.2	3.2	0.1	3.2	3.2	3.2	3.2	3.2	0.1	3.0	2.9	3.2	2.9	3.0	0.1	2.9
PLAY	0.1	2.9	2.8	3.2	2.8	2.9	0.1	2.8	2.8	3.2	2.8	2.8	0.1	2.8	2.8	3.2	2.8	2.8	0.1	2.8	2.8	3.2	2.8	2.9	0.1	2.4	2.2	3.2	2.3	2.3	0.1	2.2
	33	34)	35)	36	37	38	39	40	41)	42	43	44)	4 5	46	4 7	48)	9	8	(51)	52	<u>s</u>	(54)	<u>(55)</u>	56	(57)	<u>58</u>	59	<u>60</u>	61	<u>@</u>	<u>®</u>	€
STOP	2.9	3.2	3.0	3.0	0.1	2.9	2.9	3.2	3.0	3.0	0.1	2.9	2.9	3.2	3.0	3.0	0.1	3.2	2.9	3.2	0.1	3.2	3.2	2.9	3.2	3.2	3.1	0.1	3.2	3.1	3.2	1.7
PLAY	2.0	3.2	2.3	2.1	0.1	2.0	2.2	3.2	2.1	2.3	0.1	2.1	2.2	3.2	2.2	2.5	0.1	3.2	2.1	3.2	0.1	3.1	3.2	2.1	3.2	3.0	3.1	0.1	3.2	2.9	3.2	1.7
	66)	66	67	(8)	(8)	70	7	122	(73)	74	<u>(3</u>)	@	(3)	(3	@	8	8	® 2	88	84	(85)	86	87	88	89	90	91	92	93	94)	95)	96
STOP	0.1	1.7	3.2	0.1	3.2	1.5	3.2	0.1	1.5	3.2	0.1	2.1	0.1	0.1	0.1	3.2	0.6	0.1	0.1	2.0	0.1	3.2	2.1	0.1	0.1	0.7	2.1	3.2	4.2	3.2	0.1	1.5
PLAY	0.1	1.7	3.2	0.1	3.2	1.5	3.2	0.1	1.5	3.2	0.1	1.6	0.1	0.1	0.1	3.2	1.4	0.1	0.1	1.6	0.1	3.2	1.8	0.2	0.1	1.6	1.6	3.2	4.2	3.2	0.1	1.5
	97)	98	99	(00)	(0)	(02)	®	(04)	(05)	(06)	©	108	(09)	110	111	112	(13)	114	(E)	(16)	117	(18)	(119)	(20)	(21)	(22)	(23)	(24)	(25)	126	127	128
STOP	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	0.1	0.1	0.1	0.1	4.8	0.1	3.2	2.4	3.2	3.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	0.1	3.2	3.2	\rightarrow	3.2
PLAY	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	0.1	0.1	0.1	0.1	4.8	0.4	0.4	2.4	0.4	3.2	1.9 ~3.0	2.7	1.7 ~3.2	1.7 ~3.2	1.7 ~3.2	2.2 ~3.1	2.2 ~4.8	2.2 ~3.1	4.6	0.1	3.2	3.2	3.2	3.2
	129	(30)	(131)	132	(33)	3	(35)	136	(3)	(8)	8	49	(141)	€	(39)	144)	(45)	146	147	(48)	149	(50)	(5)	(52)	(53)	154	153	156	(5)	(58)	<u>(59)</u>	660
STOP	3.2	3.2	0.1	4.8	4.5	4.8	3.2	2.4	0.1	3.8	3.6	3.6	3.4	3.3	4.1	4.1	4.2	3.2	4.1	4.3	4.2	4.3	4.3	4.1	4.1	4.2	4.2	0.1	4.3	4.2	4.3	4.4
PLAY	3.2	1.6 ~2.7	0.1	4.8	4.1	4.8	3.2	2.4	0.1	2.9 ~3.1	2.6	2.8	2.5	2.3	3.5	3.5	3.8	3.2	3.6	3.9	3.7	3.8	3.9	3.4	3.6	3.8	3.7	0.1	3.8	3.8	4.0	4.0
	(61)	62	(63)	(64)	(65)	®	(67)	(68)	(69)	170	171	(T2)	3	174	175	176	\bigcirc	178	179	180	(81)	®	(83)	⊗	(85)	8	88	1889	189	190	(91)	192
STOP	0.2	0.1	0.2	0.2	1.6	0.2	0.2	1.6	3.2	1.6	0.1	3.2	3.0	1.6	0	0.1	1.7	3.2	1.6	0.1	1.6	3.2	0.1	0.1	0.1	`1.6	0.1	0.5	0.1	0.1	3.2	3.3
PLAY	0.8	0.8	1.2	1.0	1.6	0.8	0.9	1.6	3.2	1.6	0.1	3.2	3.0	0.1	0	0.1	1.7	3.2	1.6	0.1	1.6	3.2	0.1	0.1	1.2	1.6	0.1	0.5	0.1	0.1	3.2	3.3
	193	199	199	196	199	198	199	200	200	200	@	209	88	206	60	∞								Ĺ								
STOP	1.7	1.7	2.7	2.0	3.3	1.6	1.6	2.3	0.9	3.3	1.5	1.5	2.1	0.4	0.1	0.1																
PLAY	1.7	1.7	2.7	2.0	3.3	1.6	1.6	2.3	0.9	3.3	1.5	1.5	2.1	0.6	0.1	0.1				<u> </u>			L		<u> </u>							

IC3041

		1	2	3	4	(5)	6
ļ	STOP	4.7	0.1	1.3	3.3	0.1	4.7
	PLAY	4.7	0.1	1.3	3.3	0.1	4.7

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	10007	-				
		1	2	3	4	(5)
ì	STOP	1.6	0.1	0.1	0.1	0.1
	DIAV			\equiv		

IC3051

	(E)	2	3	4	(5)	6	7	(C)	©	10	(1)	12	13	14)	(15)	(6)	17)	18	9	8	21)	2	3	24)	(25)
STOP	3.2	2.9	3.0	0.1	2.9	3.0	3.2	2.9	3.0	0.1	2.9	3.0	3.2	2.9	3.2	3.1	3.1	3.1	2.1	0.1	0.1	0.1	0.1	2.1	3.2
PLAY	_	-	-	_	_	_	_	_	_	_	_	-	-	-		_	_	<u> </u>	<u></u>	_	_	<u> </u>			_
	26	27	8	(29)	130	(31)	®	33	34)	36	36	37	38	(39)	40	(41)	(42)	(43)	(44)	45)	(46)	47)	48	(49)	5 0
STOP	26 0.1	②7 0.7	2.1	2.0	0.6	③1 0.1	② 0.1	® ∘	34) 3.2	(35) 1.9	36 2.9	③7 0	3.2	3.0	<u>40</u> 2.9	(41) 0.1	(42) 3.0	(43) 2.9	3.2	(45) 3.0	(46) 2.9	0.1	2.9	3.0	0.1

IC3201

	0	2	(3)	4	(5)	6	7	(30)	9	10	(1)	12	13	14)	(15)	16
STOP	0.1	2.1	0.1	0.1	0.1	0.1	2.0	0.1	2.3	0.1	1.5	0.6	4.7	1.4	1.4	4.7
PLAY	0.1	2.1	0.1	0.1	0.1	0.1	2.0	0.1	2.3	0.1	1.5	2.1	4.7	1.8	1.9	4.7

IC4002

	-							
	1	2	3	4	(5)	6	7	8
STOP	3.9	3.9	3.9	0.1	3.9	3.9	3.9	8.9
PLAY	39	3.9	3.9	0.1	3.9	3.9	3.9	8.9

IC4003

	①	2	3	4	(5)	6	7	8	9	10	11)	12	(13)	(14)	(15)	16
STOP	3.8	3.9	3.9	3.8	3.8	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	3.8	8.9
PLAY	_	_	_	_	_	_	-	-	_	_	_	_		_	_	_

IC4006

	①	2	3	4	(5)	6	7	8
STOP	3.9	3.9	3.9	0.1	3.9	3.9	3.9	8.9
PLAY	3.9	3.9	3.9	0.1	3.9	3.9	3.9	8.9

IC4005

	\odot	@	(9)	4	(5)	6	7	8	9	9	1	12	13	14)	15	16
STOP	3.9	3.9	3.9	3.9	3.9	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	3.8	8.9
PLAY	3.9	3.9	3.9	3.9	3.9	0.1	0.1	0.1	0.6	0.6	0.1	0.1	0.1	0.1	3.8	8.9

IC4007

$\overline{}$	1	2	3	4	(5)	6	7	8
STOP	3.9	3.9	3.9	0.1	3.8	3.8	3.9	9.0
PLAY	_	1	_	_	_	_	_	_

IC4008

	①	2	3	4	(5)	6	7	8
STOP	2.4	2.4	2.4	0.1	0	2.4	2.4	4.8
PLAY	_	1	1	_	-	ı	ı	

K	ï	4	7	U	1
_	-	-	-	-	-

	1	2	3	4	5	6	7	8	9	(9)	(1)	12	(13)	14)
STOP	1.6	0.1	1.6	2.4	1.8	2.8	0.1	5.1	5.0	0.1	2.6	0	2.6	0.1
PLAY	1	1	_	_		1	_	1		Ī	-	ŀ	I	_
	(15)	(6)	17)	18)	(9)	a	21)	(2)	8	24	(%)	8	②	8
STOP	5.1	2.6	0	2.6	0.1	5.1	0.1	5.0	0.1	5.0	5.0	4.8	4.9	4.8
PLAY	_	_	_	_	_	_	_	_	-	-	_			_

IC4102

	①	@	3
STOP	5.1	0.1	8.9
PLAY	5.1	0.1	8.9

IC5201

10020																									
	①	@	3	4	(5)	(6)	7	8	9	10	(1)	12	(13)	14)	15	16	17)	(8)	(9)	a	21)	2	23	24	8
STOP	0.1	0.1	4.4	0.1	4.4	0.1	2.4	1.8	2.2	2.4	2.2	2.2	2.2	1.2	3.2	4.8	4.8	0.1	4.8	4.9	4.8	4.8	2.2	1.2	2.2
PLAY		_	-	1	1			-	_	1	1		-	<u> </u>	_		_	ı	1		_	_	<u> </u>	_	0.1
	8	2	88	29	30	(3)	®	33	34)	(35)	36	3	®	39	40	41	42	43	4	45	46	47)	48	49	<u>®</u>
STOP	2.2	2.0	2.2	2.2	3.9	2.4	2.2	0.1	2.2	2.2	2.3	2.3	2.1	2.2	0.1	3.7	3.7	4.8	1.7	1.5	0.1	1.7	1.6	1.6	1.6
PLAY	2.2	0.8	2.2	2.2	3.9	2.4	2.2	0.1	2.2	2.2	2.3	2.4	2.1	2.2	0.1	3.7	3.7	4.8	1.8	1.5	0.1	1.7	1.7	1.7	1.7
	(5)	8	(3)	(54)	(55)	68	⑤	68)	69	600	61	8	63	64)	65	66	67	8	69	100	1	@	®	74	(3)
STOP	4.8	0.1	4.4	0.1	4.8	2.1	1.8	4.1	4.1	2.0	0.2	1.2	0.1	2.4	2.2	1.6	2.2	2.7	2.4	0.8	2.2	2.2	2.2	1.1	2.0
PLAY	4.8	0.1	4.4	0.1	4.8	2.1	1.8	1.9	1.9	2.2	1.3	1.2	0.1	_	_	 -	<u> </u>	-	_	_	l —		_		-
	76	7	78	79	8	81	82	83	84)	85)	86	87	88	89	90	91)	92	®	94)	95)	96	97)	98	99	(00)
STOP	4.8	0.1	3.2	2.2	2.2	2.3	2.3	2.1	2.2	2.2	0.1	2.2	2.2	2.2	4.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
PLAY	4.8	2.9	3.1	2.2	2.6	2.3	2.3	2.1	2.2	2.2	0.1	0.9	1.9	2.2	4.8	2.2	2.2	1.8	1.8	2.1	2.1	2.1	2.1	2.0	2.0

C	ເວ	n	9
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	①	2	3	4	(5)
STOP	4.8	4.8	0.1	4.8	4.8
PLAY	4.8	4.8	0.1	4.8	4.8

IC5204

	1	2	3	4	(5)
STOP	0.1	4.8	0.1	0	0.1
PLAY	0.1	4.8	2.0	0	4.8

IC6002

	1	2	3
STOP	0.1	5.0	5.0
PLAY	_	_	_

IC6001

	(1)	2	3	4	(5)	6	7	8	9	10	11)	12	(13)	14)	(15)	16	17)	18)	19	20	21	2	23	24	8
STOP	3.5	3.5	3.5	3.5	1.5	3.0	4.0	5.0	2.5	2.4	0.1	2.0	2.5	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	4.7
PLAY	3.5	3.5	3.5	3.5	2.0	3.0	4.0	5.0	2.5	2.4	0.1	2.2	2.5	0.1	0.2	0.1	0.1	0.1	1		ı	-	_	-	_
	8	7	28	®	30	(31)	②	33	3 4)	(35)	36	37)	38	39	49	41)	42	43	4	45	46	47	48	49	90
STOP	3.8	4.2	5.0	5.0	5.0	5.0	5.0	0.1	0.1	0.1	0.1	0.1	4.9	5.0	5.0	5.0	5.0	4.9	5.0	5.0	0.4	0.4	0.4	0.4	0.4
PLAY	_	-	1	_	_				_	_	-	1	1	1		_	ı	1		1		0.4	0.4	0.4	0.4
	(51)	8	(33)	(54)	(55)	56	⑤	58	<u>(59)</u>	60	(61)	@	63	64)	65)	66	67	68)	(8)	@	1	@	7 3	74	75
STOP	0.2	0.2	0.2	5.0	0.2	0.2	0.2	0.2	5.0	5.0	5.0	4.9	4.9	0.6	4.8	0.3	5.0	5.0	0.1	0.1	0.1	0.1	0.1	0.1	3.4
PLAY	0.2	0.2	0.2	5.0	0.2	0.2	0.2	0.2	5.0	5.0	5.0	4.9	4.9	0.6	4.8	0.3	5.0	5.0	0.2	0.1	0.1	0.1	0.1	0.1	3.5
	76)	7	78	79	80	(81)	®	83	84	85	86	87	88	89	90	91	92	93	94)	(%)	96	97	98	8	(00)
STOP	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
PLAY	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

IC6201

	1	2	3	4	(5)	6	7	8	9	10	11)	12	(13)	14)	15	16	17)	18)	19	2	21)	2	3	24)	3
STOP	4.8	4.5	0.1	4.8	0.1	4.8	4.8	4.2	0.1	4.8	4.8	0.1	2.6	3.8	3.6	3.6	4.8	2.4	0.1	0.1	4.8	4.8	2.5	2.5	4.8
PLAY	4.8	4.1	4.8	4.8	0.1	4.8	4.8	3.5	0.1	4.8	4.8	0.1	0.9 ~1.3	2.9 ~3.1	2.6 ~2.8	2.6 ~3.0	4.8	2.4	0.1	0.1	4.8	4.8	2.5	2.5	4.8
	8	27	88	29	30	31)	8	\otimes	34)	(35)	®	37	®	8	((£)	€	(3)	4	45)	46	47	48	49	6 0
STOP	3.4	3.3	3.4	2.6	3.3	3.3	3.1	3.0	4.8	2.9	4.2	4.2	4.0	2.6	2.6	2.6	2.5	0.1	1.4	0.1	0.1	4.8	0.1	4.8	4.8
PLAY	2.3 ~2.6	2.1	2.3 ~2.8	2.8 ~3.0	2.1 ∼3.0	2.2	$^{2.5}_{\sim 2.7}$	0.8 ~1.8	4.8	1.7 ~1.9	3.8	3.9	3.2 ~3.5	0.8 ~1.4	1.4 ~1.8	0.8 ~1.1	0.7 ~1.0	0.1	1.4	0.1	4.8	4.8	0.1	4.8	4.8
	(5)	(8)	(3)	(3)	(8)	56	⑤	(38)	(33)	8	6	@	®	(4)	₿	8	6	8	8	$(\!e\!)$	7	@	®	74	75
STOP	4.8	4.8	0.1	4.8	4.8	4.8	0.1	4.8	4.8	4.8	0.1	0.1	4.8	0.1	0.1	4.8	4.3	4.7	3.8	4.9	4.8	4.8	4.8	4.8	4.8
PLAY	4.8	4.8	0.1	4.8	4.8	4.8	0.1	4.8	4.8	4.8	0.1	0.1	4.8	0.2 ~0.9	0.1	4.8	4.2 ~1.4	4.7	3.8 ~4.4	4.9	4.7	4.8	4.8	4.8	4.8
	(%)	(E)	(8)	®	8	81	8	8	(3)	85	8	87	88	89	99	(5)	8	83	94)	(8)	96	97)	98	99	@
STOP	4.8	4.8	3.2	0.1	4.8	4.8	4.8	4.8	4.0	4.1	4.2	4.2	4.3	4.2	4.3	4.3	0.1	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.3
PLAY	4.8	4.8	1.3 ~2.7	0.1	4.8	4.7	4.8	4.8	3.5	3.0 ∼3.5	3.7	3.6	3.8	3.6 ~4.1	3.8	3.9	0.1	3.5	3.7	3.7	3.6	$ ^{3.5}_{\sim 3.7}$	3.5 ~3.7	3.9	3.9

IC6301

	1	2	3	4	(5)	(6)	\bigcirc	8	(9)	9	(Ξ)	(2)	(3)	14)	(5)	16
STOP	2.6	4.0	4.2	4.2	2.9	3.0	3.1	3.3	0	0	4.8	4.8	4.8	4.8	0.6	0
PLAY	0.7 ∼1.5	3.4	3.9	3.8	1.8	69 -67	2.6	1.9 ~2.3	0	0	4.8	4.8	4.8	4.8	0.2	0
	(<u>1</u>	18)	(19)	20	21)	2	3	(4)	(25)	8	27	28	29	30	3	3
STOP	2.5	3.3	3.5	3.5	3.3	3.4	3.6	3.6	3.8	4.1	0.1	4.4	4.1	4.1	4.1	4.1
PLAY	0.6 ∼1.0	1.7 ~2.0	2.4 ~2.9	2.2 ~2.7	2.1 ~2.3	2.3 ~2.6	2.8	2.6 ~2.9	3.0 ~3.2	3.5 ∼3.7	0.1	4.2	3.4 ~3.6	3.4	3.4 ~3.6	3.2 ~3.4
	(8)	(3)	35	®	(3)	38	38	40	4	42	43)	4	4 5	(49)	47)	48
STOP	4.2	4.2	4.2	4.2	4.8	4.2	4.3	4.2	4.2	4.3	4.3	4.3	4.4	0.1	4.8	2.6
PLAY	3.6 ~3.8	3.0 ~3.8	3.6	3.6 ~3.8	4.8	3.6 ~4.2	3.6 ~3.9	3.5 ∼3.7	3.8	3.8	3.9	3.9	3.9	0.1	4.8	1.3 ∼1.7

IC6312

	(1)	2	3	4	(5)	6	7	8
STOP	4.8	4.9	4.8	4.8	4.8	0	4.8	0.1
PLAY	4.8	4.9	4.8	4.8	4.8	4.8	4.8	0.1

IC6502

	_															
	1	2	3	4	(5)	6	7	8	9	10	11)	12	(13)	14)	(15)	16
STOP	0.1	3.2	0.1	0.1	0.1	3.1	1.3	1.4	1.6	3.2	1.6	3.2	3.3	0.2	3.2	3.2
PLAY	_	_	_	_	_	_	_		_	-	—	_	I —	_	l —	-

IC6504

	1	2	3	4	(5)	6	7	8
STOP	1.6	1.6	1.5	0.1	1.6	3.1	3.1	3.1
PLAY	1.6	1.6	1.5	0	1.6	3.1	3.1	3.1

IC6503

	1	2	3	4	(5)	6	7	8	9	19	(1)	12	(3)	14	15)	16
STOP	4.8	1.5	1.6	1.6	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0	3.1
PLAY	4.8	1.5	1.6	1.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.1

IC6505

	①	2	3	4	(5)
STOP	0	1.6	0.1	1.5	3.1
PLAY		I	1	_	_

IC6506

	1	2	3	4	(5)
STOP	0	1.6	0.1	1.9	4.8
PLAY	0	1.6	0.1	1.9	4.8

IC6507

	①	2	3	4	(5)
STOP	0	1.6	0.1	1.6	3.1
PLAY	0	1.6	0.1	1.6	3.1

IC	6	5	0	٤

	1	2	3	4	(5)
STOP	0	1.6	0.1	1.5	3.1
PLAY	-	_	_	_	_

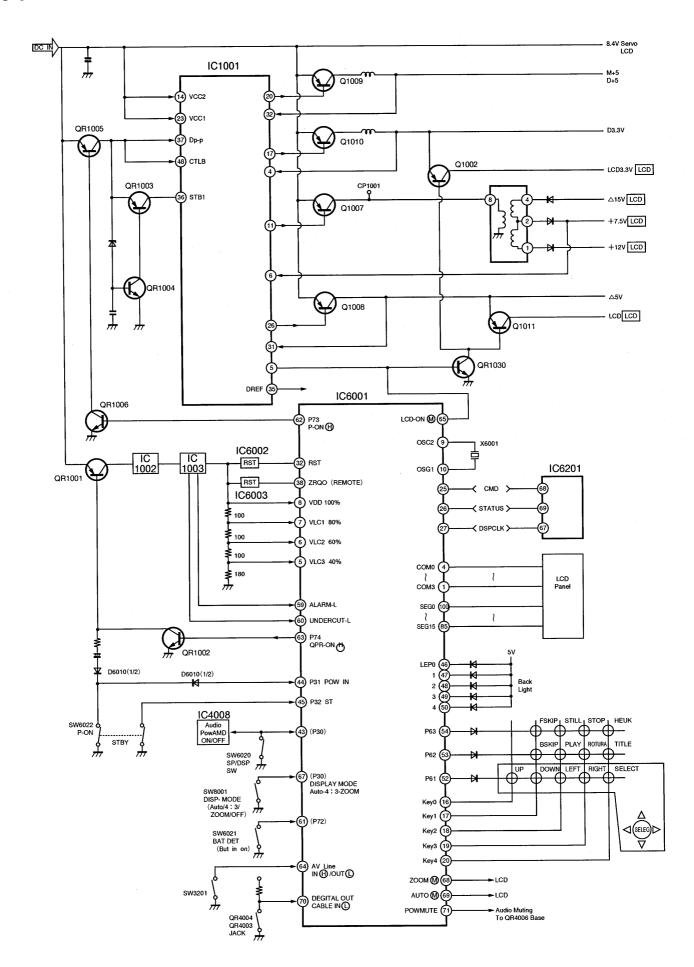
IC700

IC/00	11																															
	①	2	3	4	(5)	6	7	8	9	10	11)	12	(13)	14)	15	16)	17)	18)	19	20	21)	@	3	24)	(26)	(36)	27	28	29	30	31)	②
STOP	0.1	4.8	4.8	4.8	3.2	0.1	3.2	3.2	0.1	0.1	0.1	3.2	3.2	0.1	3.2	0.1	0.1	0.1	0.1	0.1	3.2	3.1	3.1	3.2	3.2	1.0 ~2.0	0.5	3.2	0.5 ~0.7			
PLAY	2.2 ~3.1	4.8	4.7	4.8	2.8	0.1	2.1 ~2.8	0.9 ~2.5	0.2 ~0.9	0.7 ∼1.6	0.4 ~0.9	0.5 ~2.1	3.2	0.3 ~0.8	1.0 ~2.1	0.3 ~0.6	0.2 ~0.5	0.5 ~1.0	0.2 ∼1.2	0.1	3.0 ∼3.2	1.5 ~2.8	2.9 ~3.2	3.2	3.2	1.5 ~2.0	1.5 ~2.0	3.2	$^{1.6}_{\sim 2.1}$	$^{1.6}_{\sim 2.0}$		1.4 ~2.0
	33	34)	35)	36	(37)	38	39	(49)	41)	42	43	4	45	46	47	48	49	50	(51)	8	53	(54)	(55)	66	(57)	<u>68</u>	<u>(59)</u>	®	(61)	@	<u>63</u>	64
STOP	0.6	0.6	1.1	0.1	1.1 ~1.9	0.6	0.5	0.7	0.1	0.6	0.9 ~1.6	3.2	3.2	0.1	4.8	0.1	1.7	1.5	0.1	0.1	0.1	0.1	0.1	3.2	3.2	3.2	0.1	3.2	0.1	0.1	1.6	1.6
PLAY	1.5 ~1.9	1.6 ~2.1	1.7 ~2.3	0.1	1.4 ~1.9	1.6 ~2.0	1.8	1.4 ~2.0	1.5 ~2.2	1.8 ~2.4	1.4 ~2.0	3.2	3.2	0.1	4.8	0.1	1.7	1.5	0.1	0.1	0.1	0.1	0.1	3.2	3.2	3.2	0.1	3.2	0.1	0.1	1.7	1.7
	65)	(66)	67)	68)	69	70	7	12	(73)	74	75	3	(3)	78	(P9)	8	81	8	88	84	85	86	87	88	89	90	91	92	93	94)	95)	96
STOP	1.6	1.6	1.6	3.2	0.1	0.1	0.1	0.1	4.8	0.1	0.1	0.1	2.6	2.6	4.0	0.1	3.2	1.7	1.6	1.7	1.6	1.0	1.3	0.1	3.2	1.5	1.6	4.2	4.2			3.0
PLAY	1.6	1.7	1.6	3.2	3.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4 ~1.7	0.5 ~1.6	3.2 ~3.5	0.1	3.2	1.7	1.6	1.7	1.5	1.0	1.3	0.1	3.2	1.5	1.6	3.9	3.8	1.5		1.6 ~2.0
	(97)	98)	99	(00)	(0)	(02)	103	(O4)	(06)	(06)	(3)	(08)	109	(10)	(11)	112	113	114	(15)	116	17	118	119	2	2	(3)	(23)	2	(26)	126	127	(28)
STOP	3.1	3.3	3.3	3.6	3.4	3.3	3.3	3.2	3.6	3.6	3.8	2.6	4.8	4.8	4.4	4.3	4.3	0.1	4.2	4.3	4.1	4.2	4.0	3.2	4.1	4.8	4.8	0.1	0.2	0.1	0.8	4.8
PLAY	2.6	1.9	1.8 ~2.1	2.5 ~3.0	2.5 ~2.7	2.0 ~2.4	2.6	3.2	2.8	2.5 ~2.8	3.0 ~3.2	1.1	4.8	4.8	4.1	4.0	4.0	0.1	3.6	3.8	3.7	3.8	3.6	_	3.4 ∼3.6	4.8	4.8		0.1			4.8
	129	(30)	(131)	(132)	(33)	(34)	(35)	(36)	(3)	(38)	(39)	(40)	(141)	€	143	144)	(45)	146	(47)	148	149	((5)	5	(53)	154	155	(56)	(5)	(58)	159	60
STOP	2.4	4.8	0.1	2.4	0.1	2.5	4.8	4.8	4.8	4.8	4.8	4.8	3.2	2.4	4.8	4.8	0.1	4.8	2.5	0.1	4.8	4.8	2.6	2.4	4.8	0.1	4.8	0.1	4.8		0.1	4.8
PLAY	0.3	0.8 ~2.6	0.1	2.4	0.1	2.5	4.8	4.8	4.8	4.8	4.8	4.8	3.2	2.4	4.8	4.8	0.1	4.8	0.6	0.4	4.8	4.8	0.6	2.4	4.8	0.1	4.8	2.3 ~3.0	4.8	0.1	2.3 ~3.3	4.8
	6	®	63	164	663	166	669	168	169	170	17)	172	173	173	179	176						<u> </u>										
STOP	4.8	0.1		0.1	0.1	3.2	4.8	0.1	0.1	4.8	0.1	4.8	4.8	0.1	0.1	4.8		L					<u> </u>	L				L				$oldsymbol{oldsymbol{\sqcup}}$
PLAY	4.8	2.2 ~3.3	4.8	0.1	1.5 ~3.2	3.2	4.8	1.8 ~3.5	0.1	4.8	2.1 ~2.9	4.8	4.8	2.3 ~3.0	0.1	4.8			<u></u>			<u> </u>		L	L	L						ш

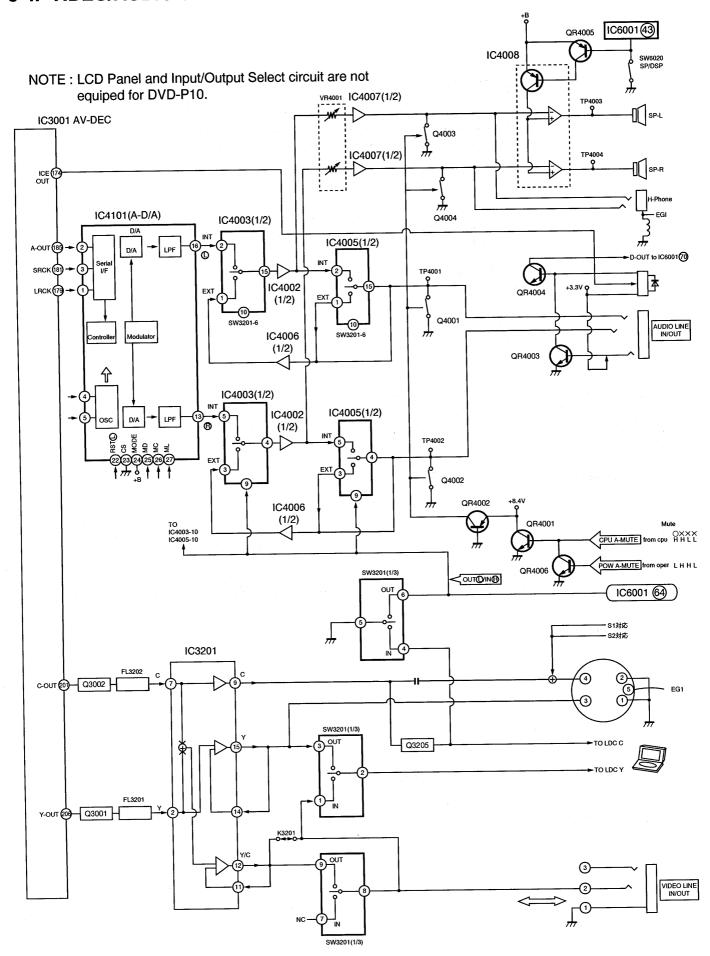
IC7051

	•										 										
	1	2	3	4	(5)	6	7	8	9	10		13	(4)	(£)	(3)	(T)	(28)	9	8	21	2
STOP	3.2	0.8 ~1.7	0.1 ~0.4	0.4	0.9 ~1.8	3.2	0.4	0.1	0.4	0.5		0	0	3.2	3.1	0	3.2	3.1	0.1	3.1	3.2
PLAY	3.2	1.6 ~2.1	1.4 ~2.0	1.6 ~2.0	1.6 ~2.0	3.2	1.520 ~20	1.5 ~2.0	1.6 ~2.2	1.5 ~1.8		_	_	I	_	-	_			_	
	3	24)	(25)	26)	27	28	29	8	3	32		35)	36	(3)	®	39	40	41	42	43	44)
STOP	0.1	3.1	0.1	0.1	0.1	0.1	3.2	3.2	3.2	0		1.2 ~2.0	0.7	1.2 ~2.1	0.7	0.1	1.1 ~2.1	0.7	0.7	0.6	0.1
PLAY	_	_	_		_		_	_		-		1.5 ~1.8	1.6 ~2.0	1.5 ~2.2	1.4 ∼1.8	0.1	$^{1.5}_{\sim 2.1}$	1.5 ~2.2	1.5 ~2.0	$^{1.6}_{\sim 2.1}$	0.1

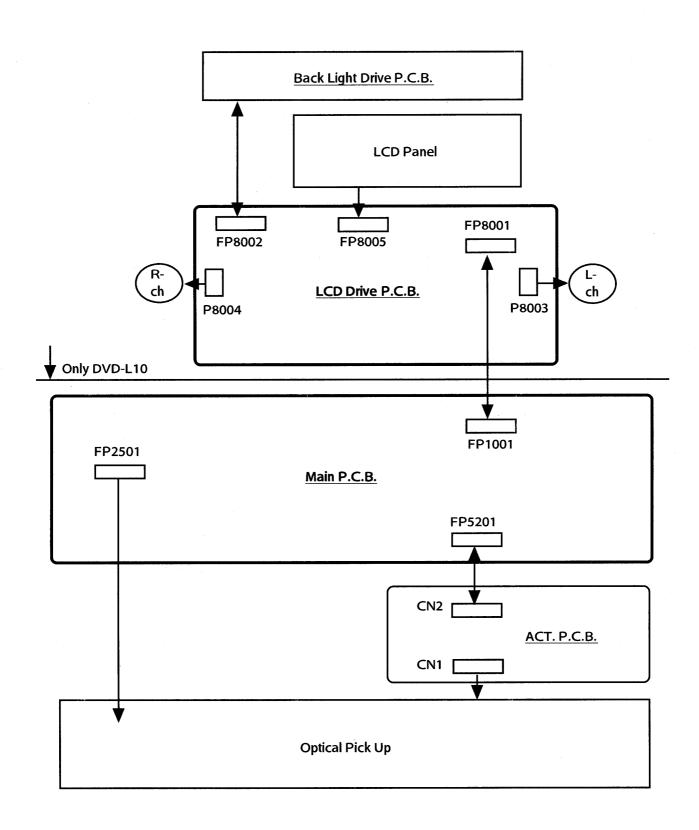
3-3. POWER SUPPLY & OPERATION BLOCK DIAGRAM



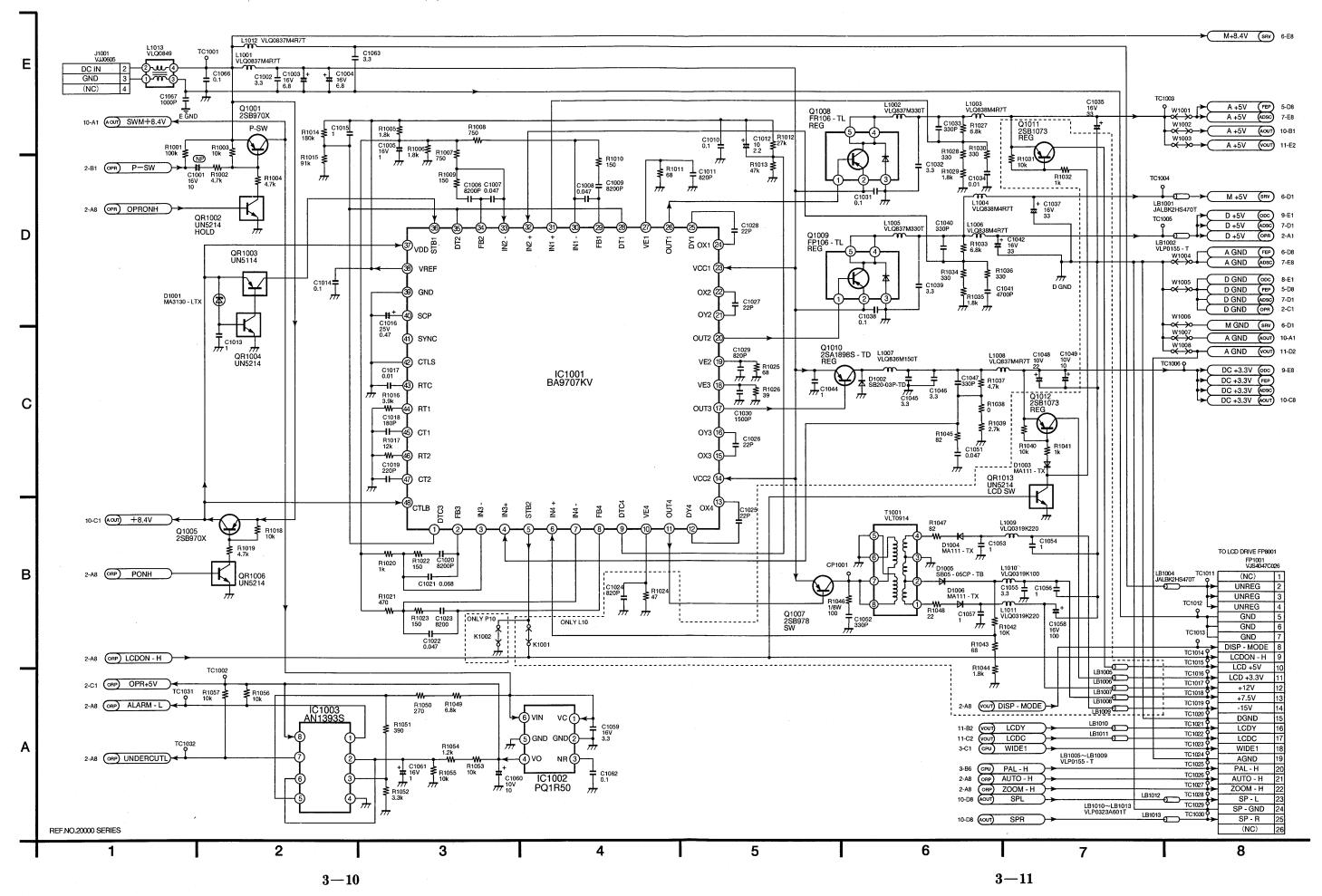
3-4. VIDEO/AUDIO & INPUT/OUTPUT BLOCK DIAGRAM



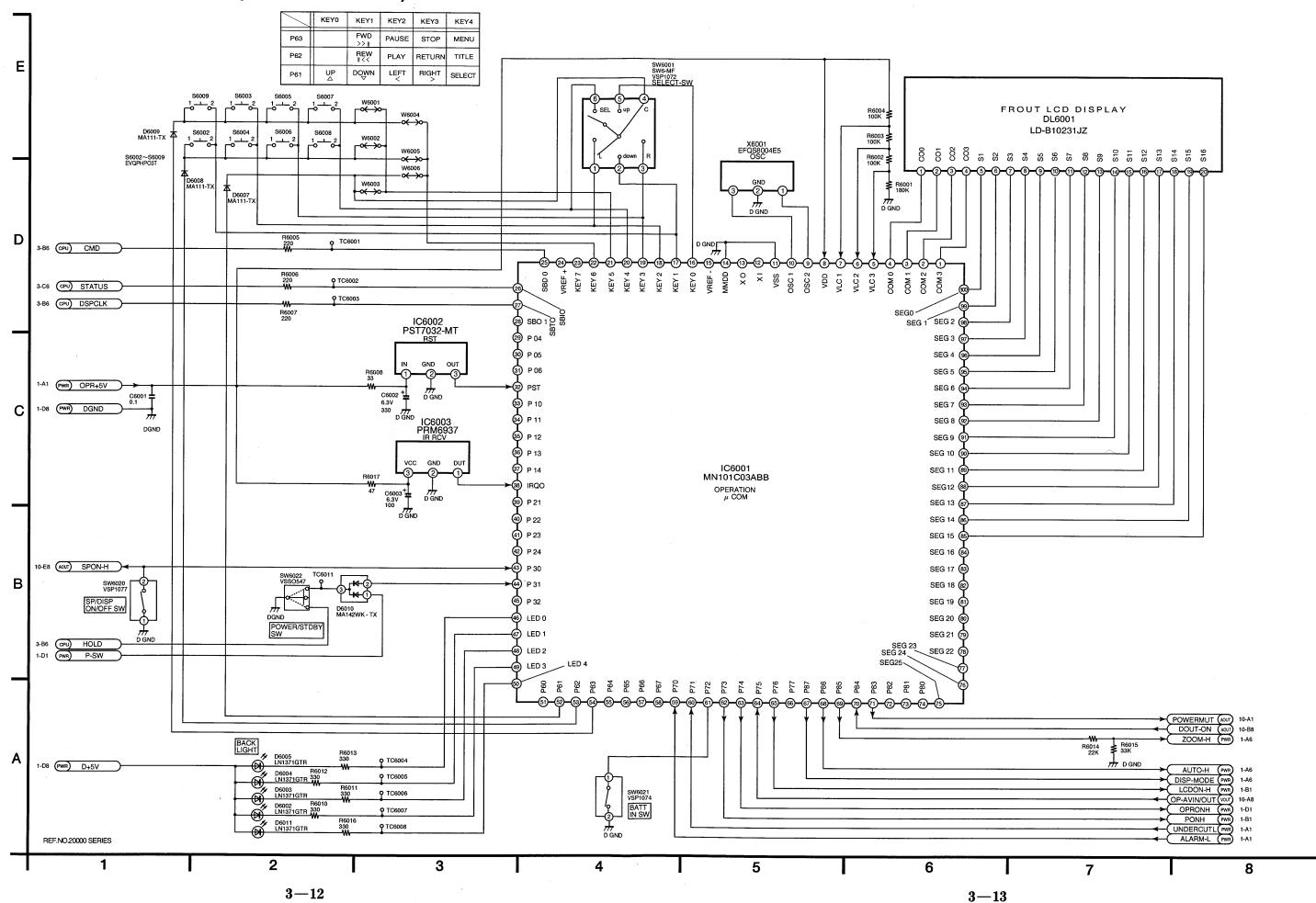
3-5. INTERCONNECTION SCHEMATIC DIAGRAM



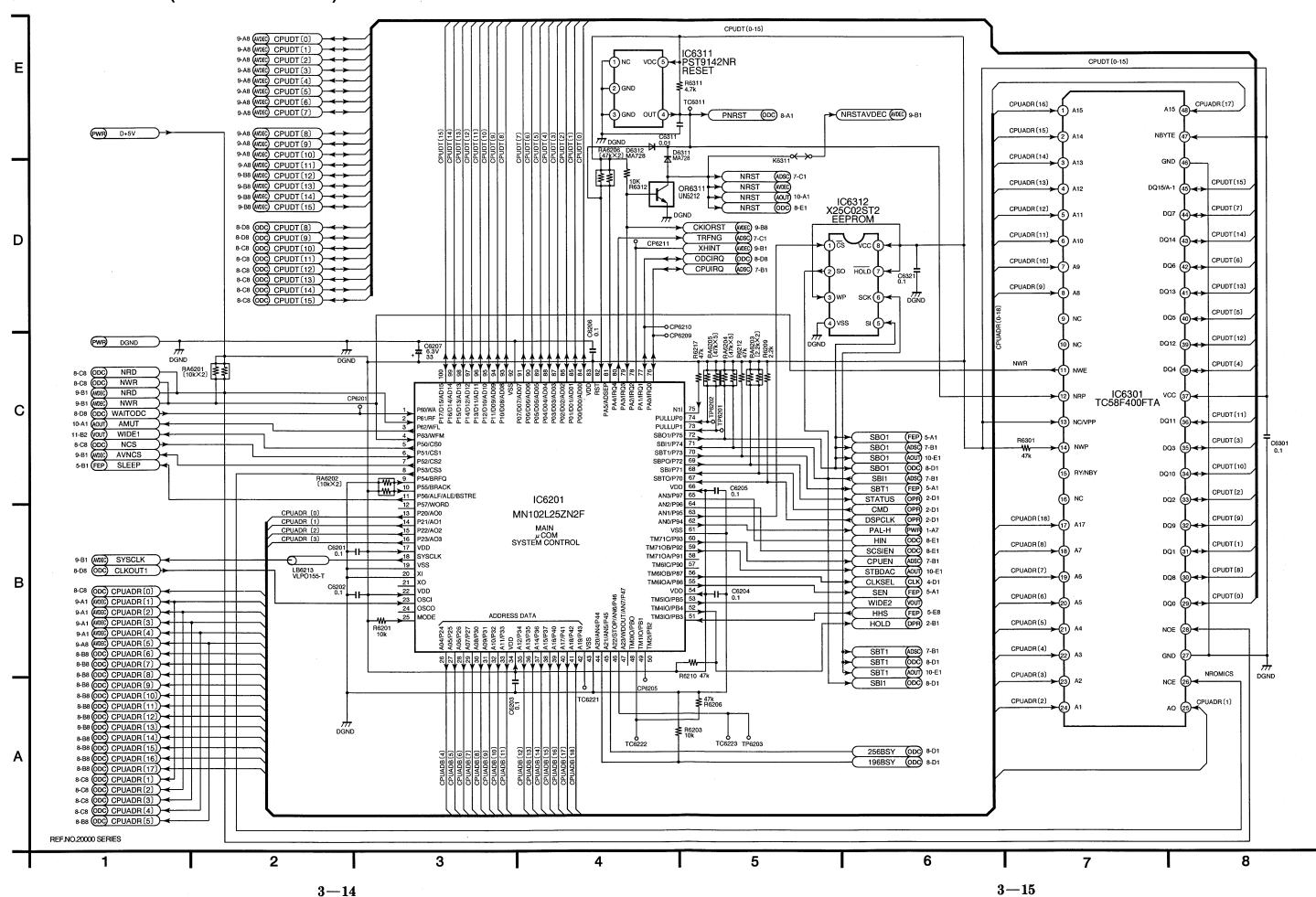
3-6. POWER SUPPLY SECTION (MAIN C.B.A. <1/11>) SCHEMATIC DIAGRAM



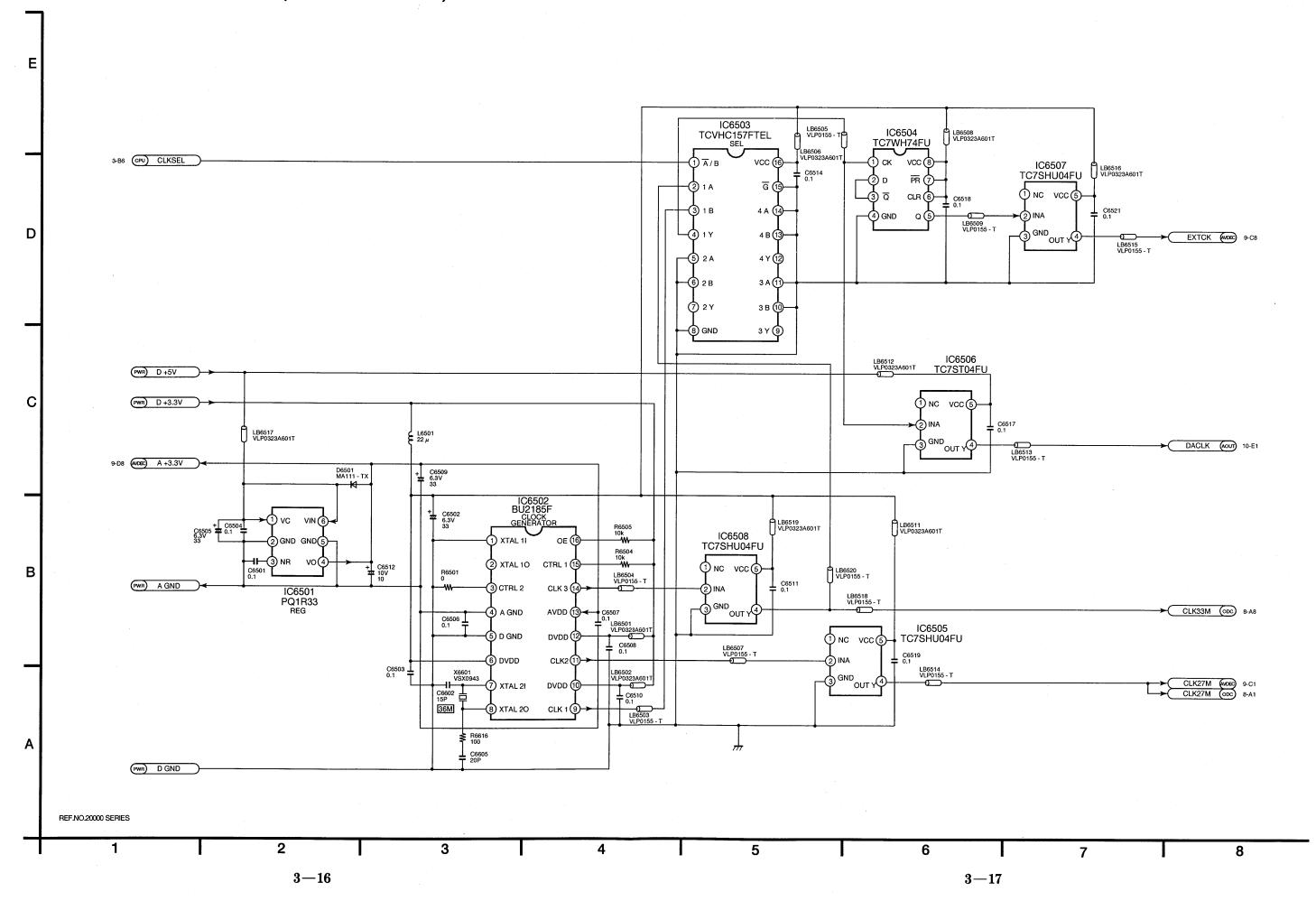
3-7. OPERATION SECTION (MAIN C.B.A. <2/11>) SCHEMATIC DIAGRAM



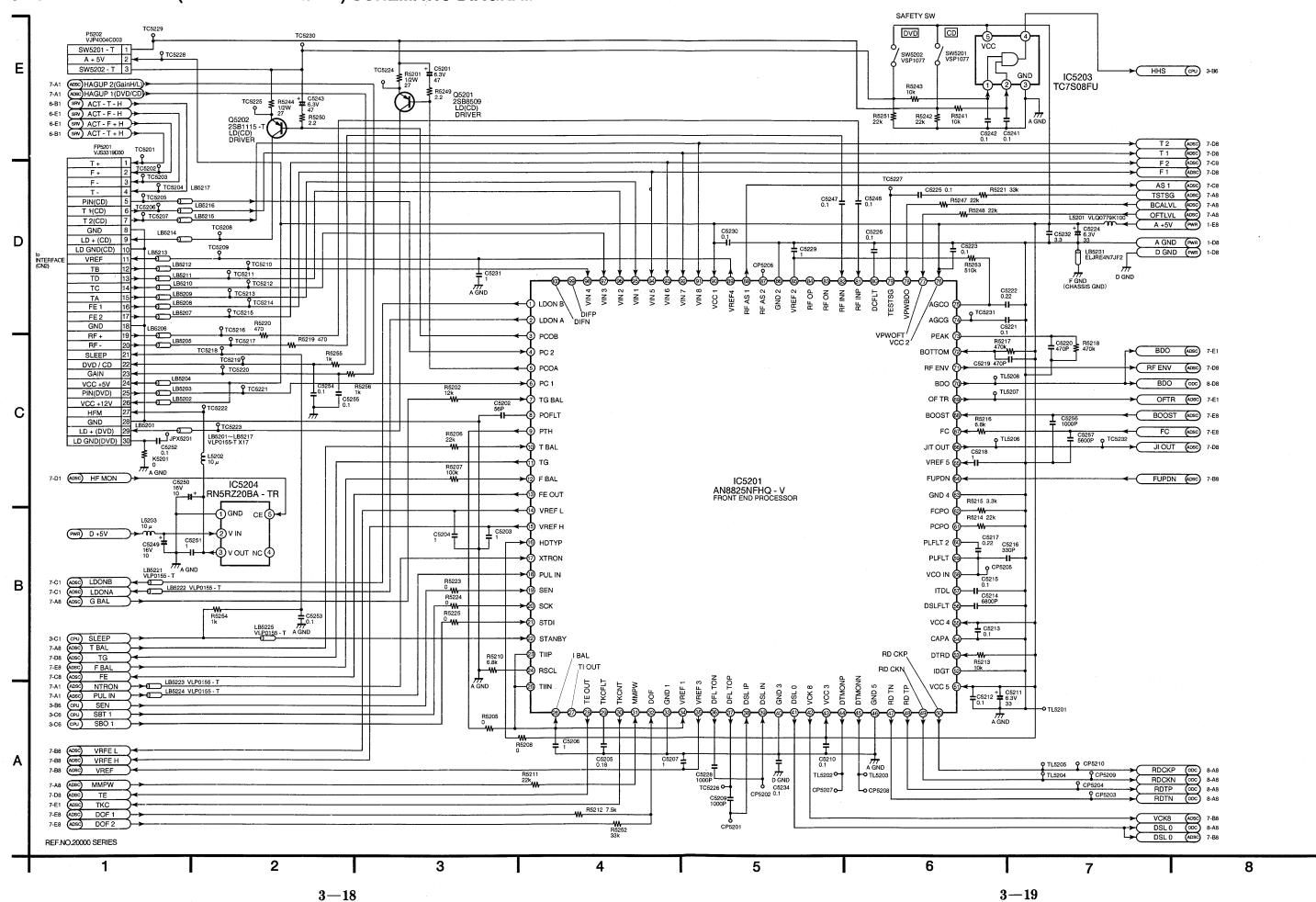
3-8. CPU SECTION (MAIN C.B.A. <3/11>) SCHEMATIC DIAGRAM



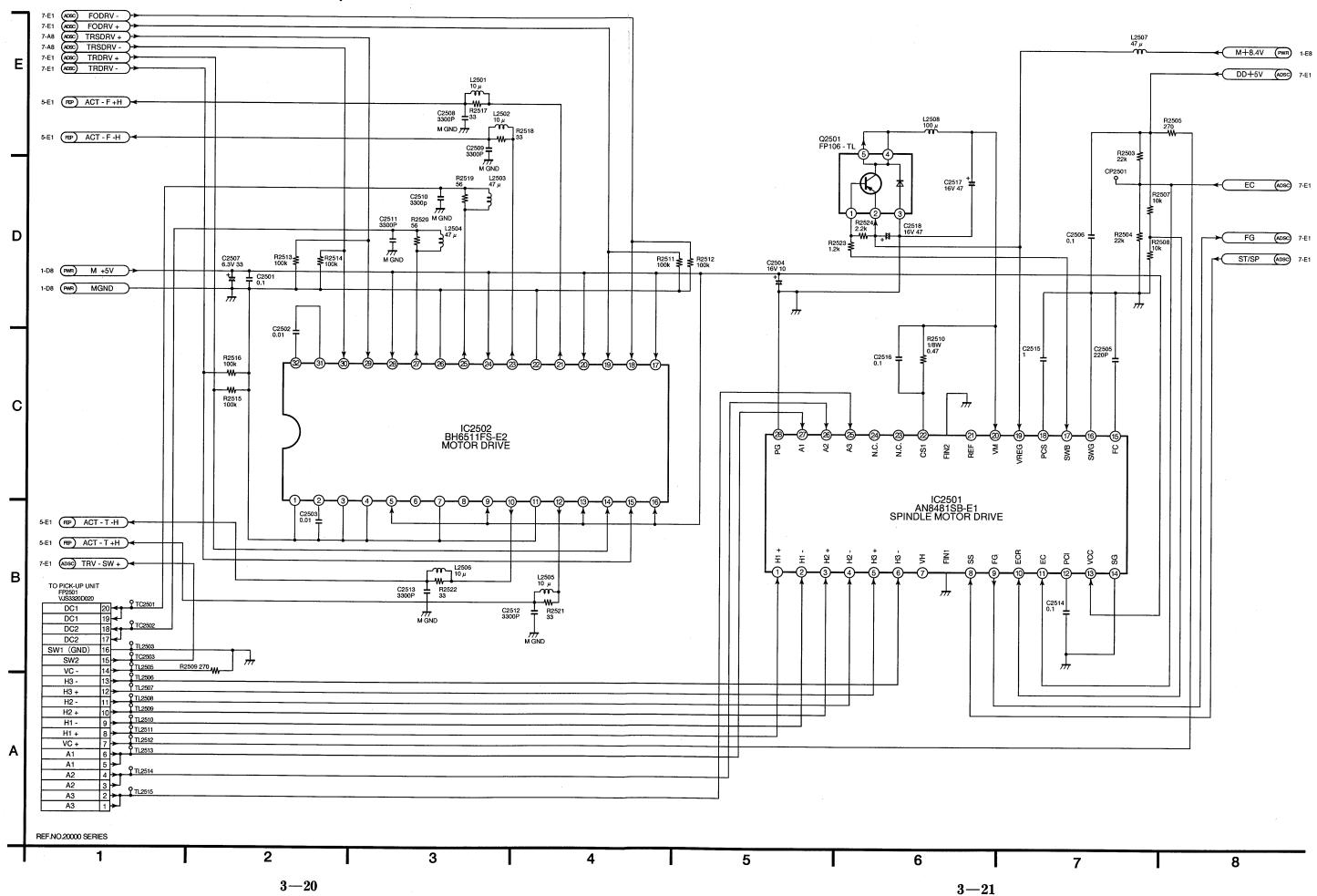
3-9. SYSTEM CLOCK SECTION (MAIN C.B.A. <4/11>) SCHEMATIC DIAGRAM



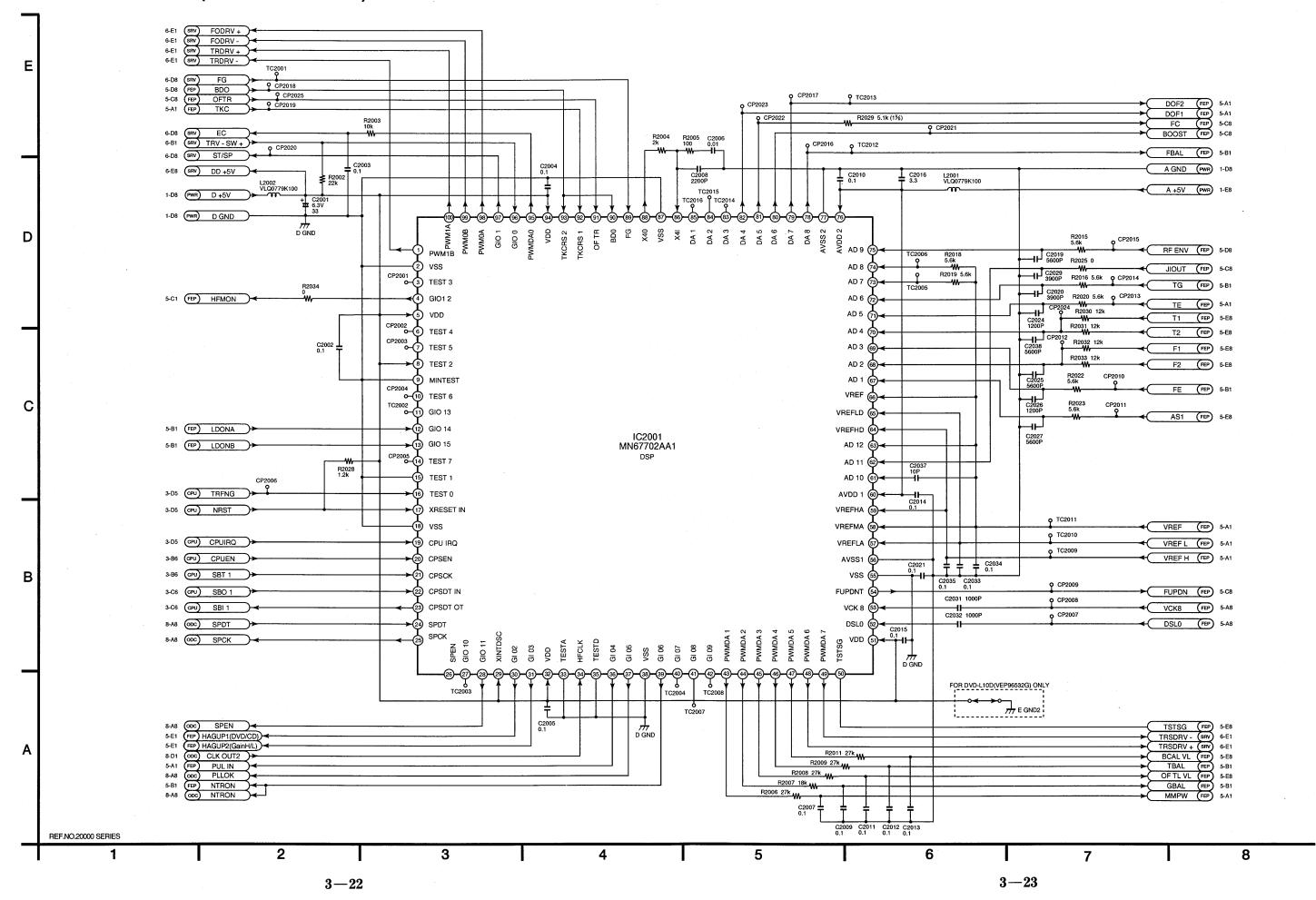
3-10. FEP SECTION (MAIN C.B.A. <5/11>) SCHEMATIC DIAGRAM



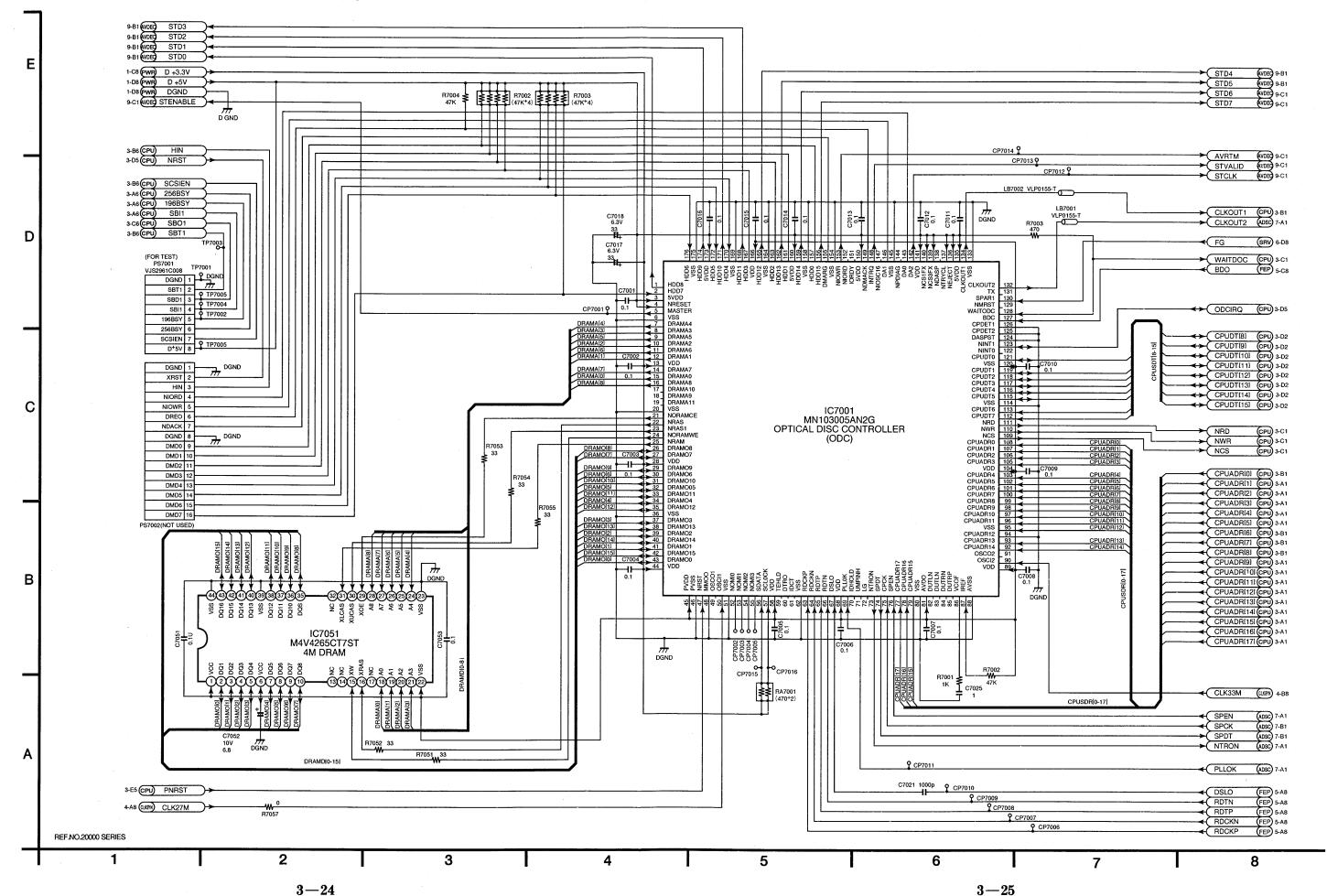
3-11. SRV SECTION (MAIN C.B.A. <6/11>) SCHEMATIC DIAGRAM



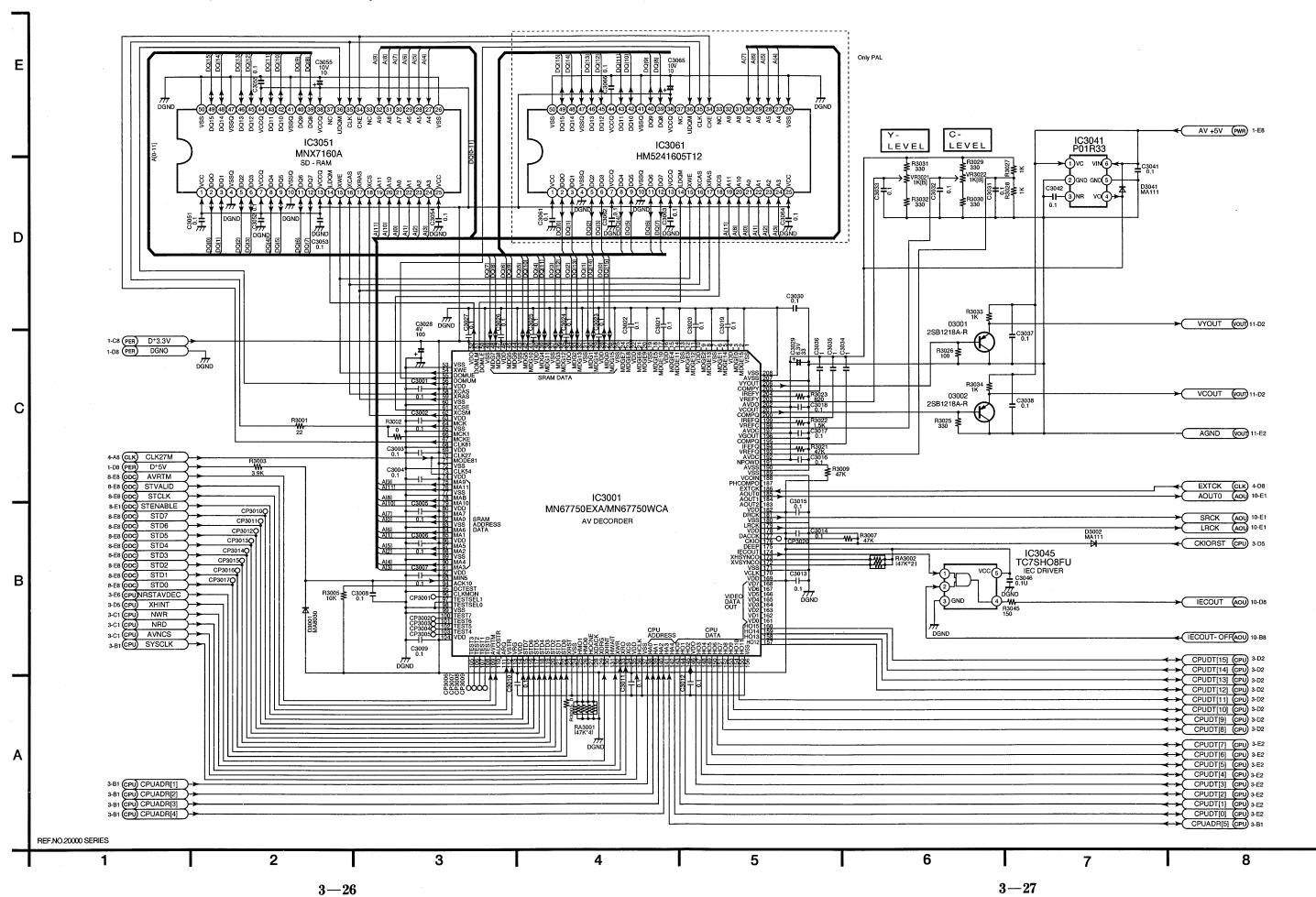
3-12. ADSC SECTION (MAIN C.B.A. <7/11>) SCHEMATIC DIAGRAM



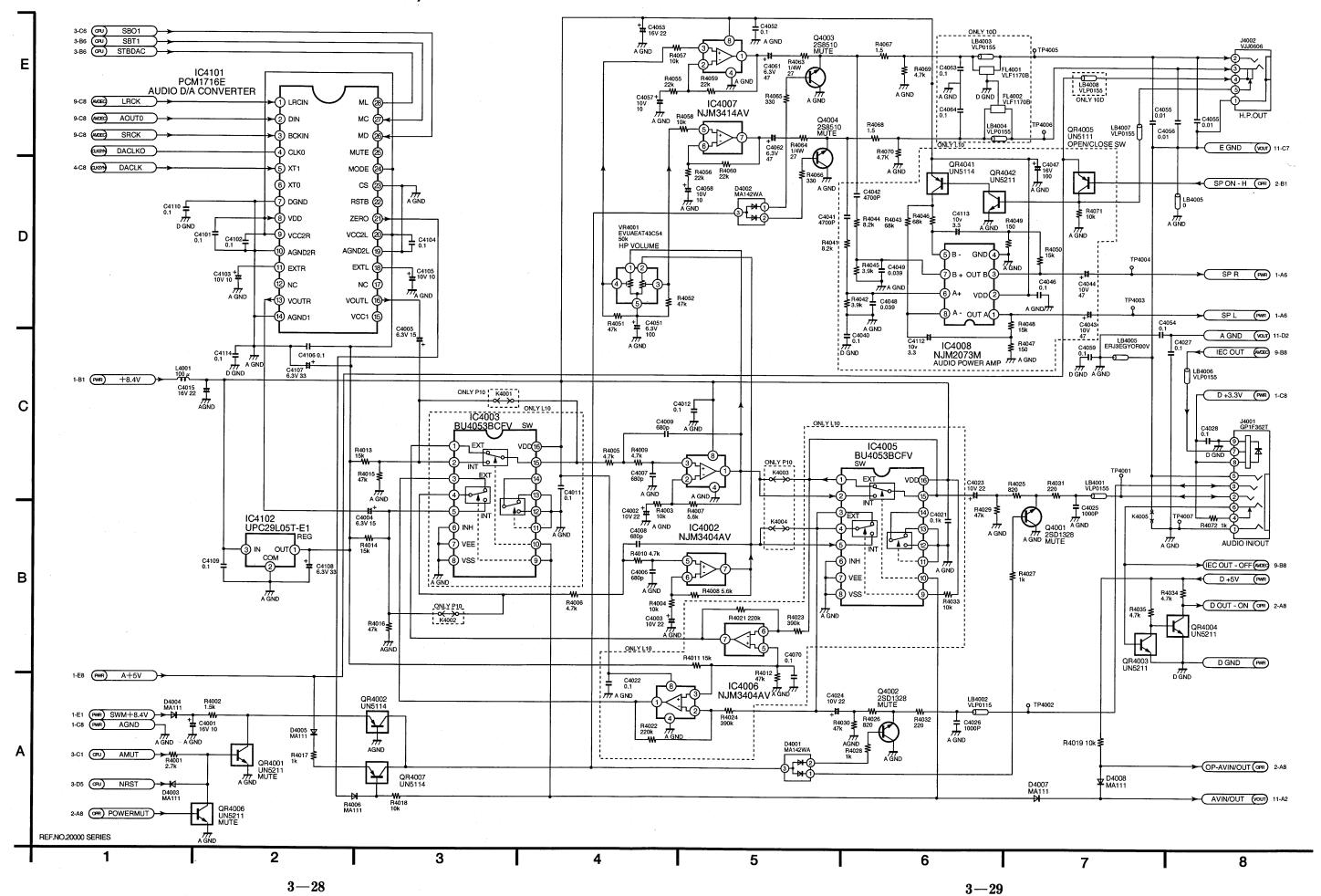
3-13. ODC SECTION (MAIN C.B.A. <8/11>) SCHEMATIC DIAGRAM



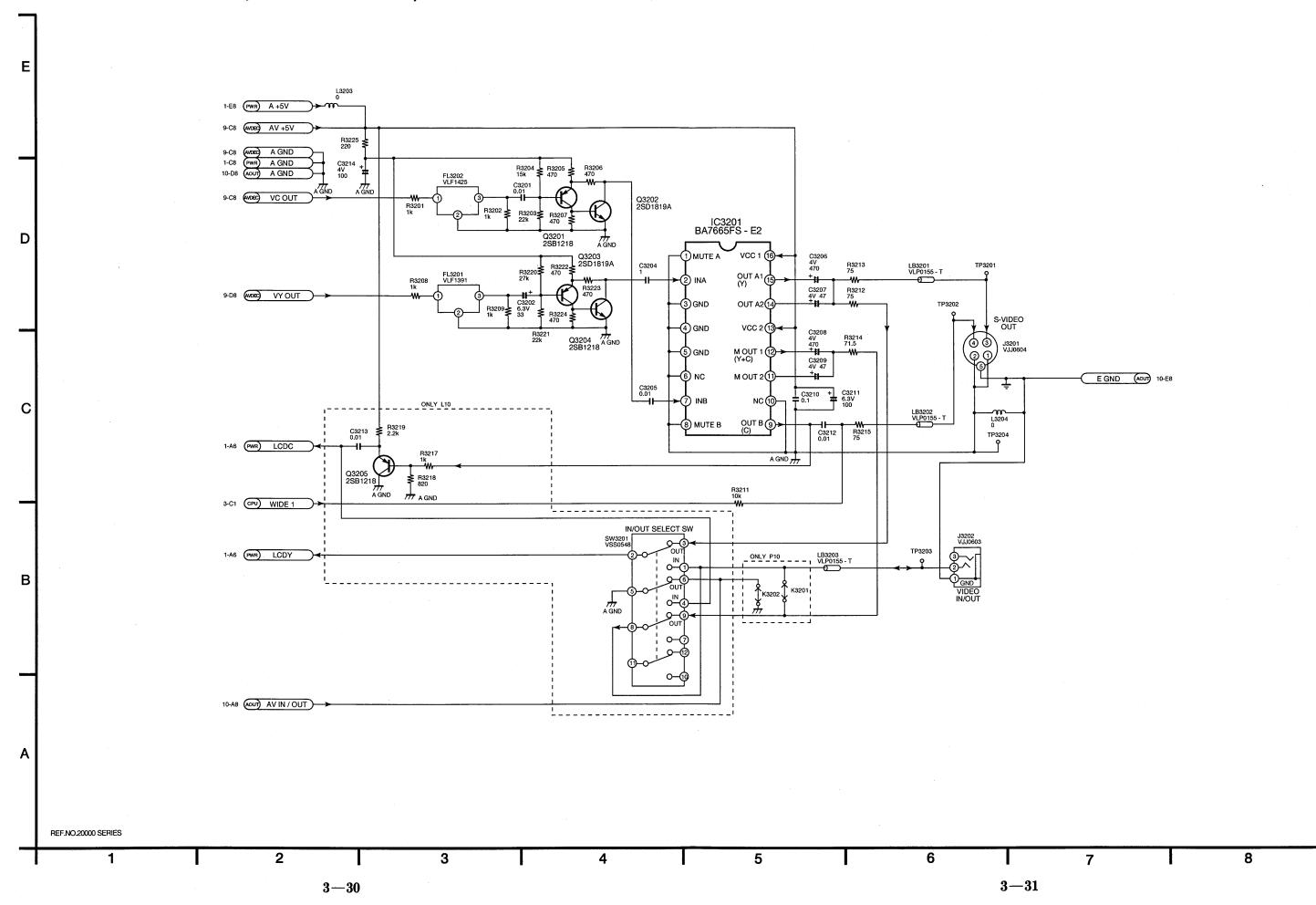
3-14. AV DEC SECTION (MAIN C.B.A. <9/11>) SCHEMATIC DIAGRAM



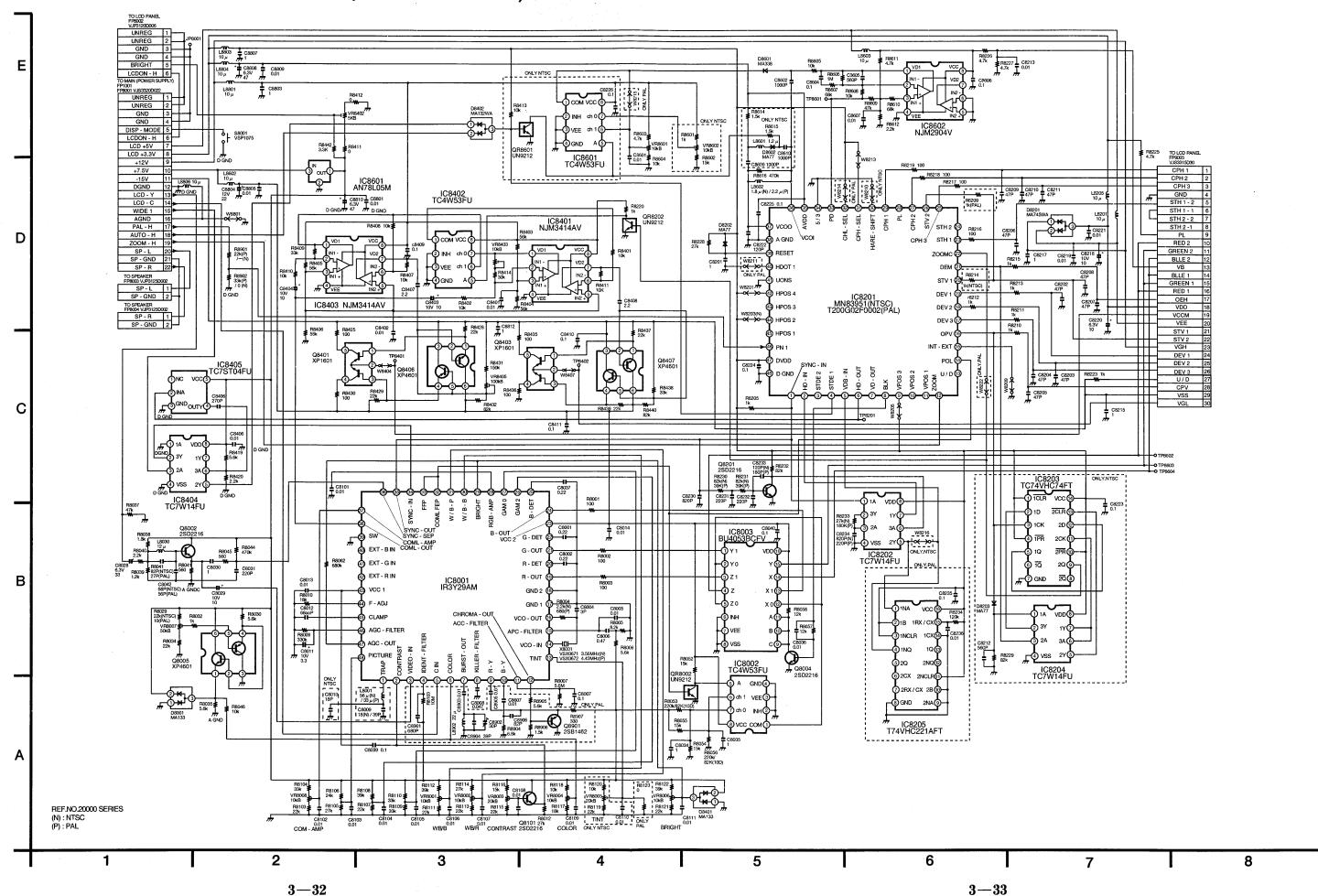
3-15. AUDIO OUT SECTION (MAIN C.B.A. <10/11>) SCHEMATIC DIAGRAM



3-16. VIDEO OUT SECTION (MAIN C.B.A. <11/11>) SCHEMATIC DIAGRAM



3-17. LCD DRIVE SCHEMATIC DIAGRAM (FOR DVD-L10 ONLY)



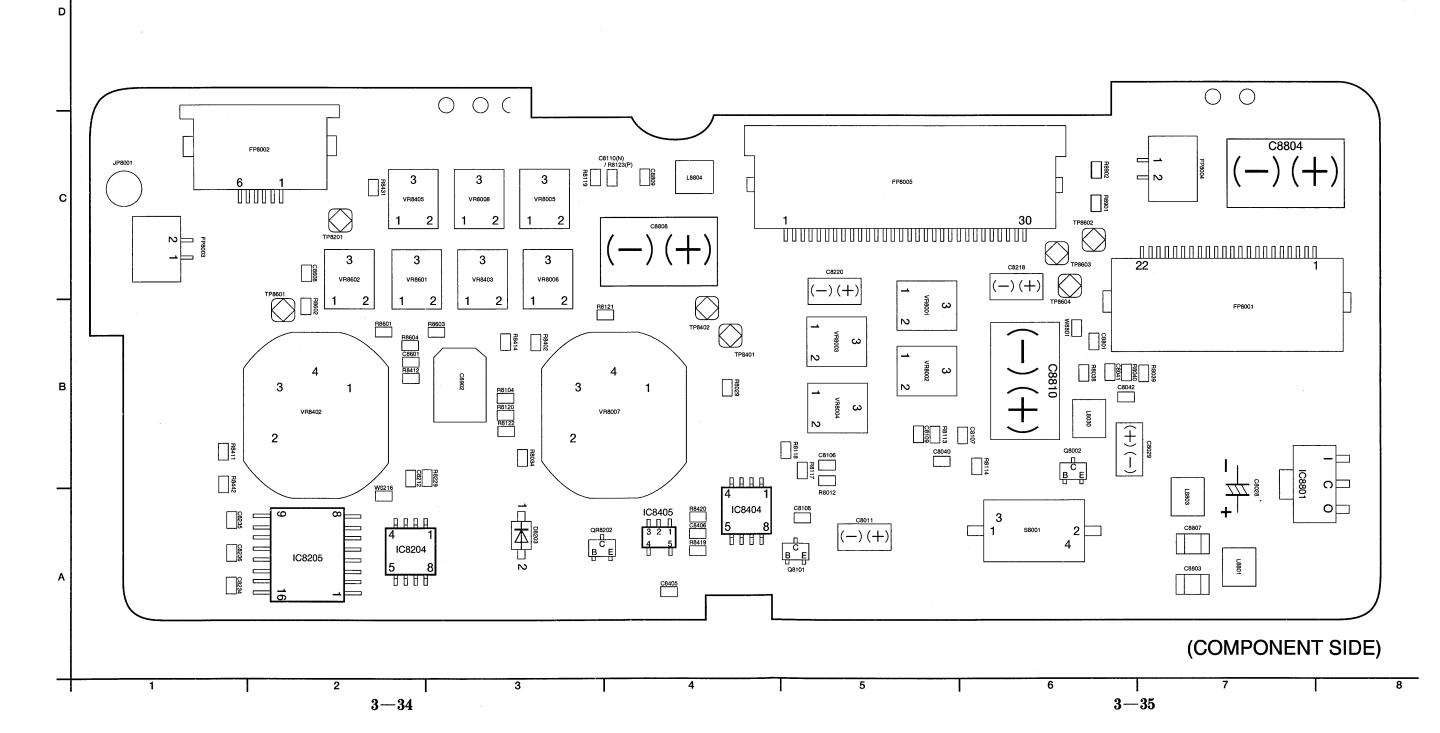
3-18. LCD DRIVE C.B.A. < COMPONENT SIDE> (FOR DVD-L10 ONLY)

LCD DRIVE C.B.A.

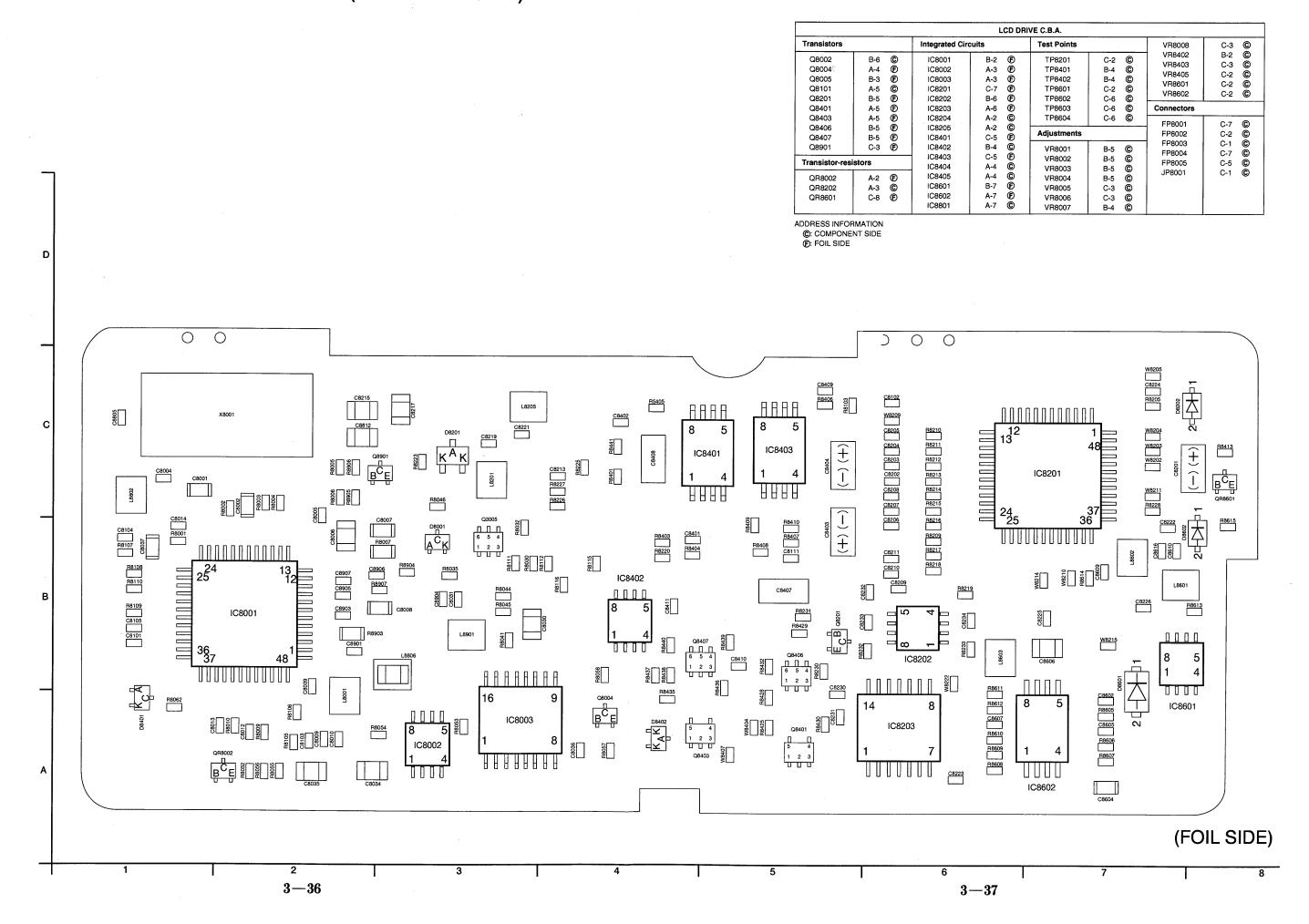
MODE NO.	LCD DRIVE C.B.A.
DVD-L10D	VEP93307C
DVD-L10EC	VEP93307B
DVD-L10EB	VEP93307B
DVD-L10EN	VEP93307A
DVD-L10DMU	VEP93307A

	LCD DRIVE C.B.A.												
Transistors		Integrated Cir	cuits	Test Points		VR8008	C-3 ©						
Q8002 Q8004 Q8005 Q8101 Q8201	B-6 © A-4 P B-3 P A-5 © B-5 P	IC8001 IC8002 IC8003 IC8201 IC8202	B-2 (F) A-3 (F) A-3 (F) C-7 (F) B-6 (F)	TP8201 TP8401 TP8402 TP8601 TP8602	C-2 © B-4 © B-4 © C-2 © C-6 ©	VR8402 VR8403 VR8405 VR8601 VR8602	B-2 © C-3 © C-2 © C-2 © C-2 ©						
Q8401 Q8403	A-5 (F) A-5 (F)	IC8203 IC8204	A-6 (F) A-2 (C)	TP8603 TP8604	C-6 © C-6 ©	Connectors FP8001	C-7 ©						
Q8406 Q8407 Q8901	B-5 (F) B-5 (F) C-3 (F)	IC8205 IC8401 IC8402	A-2 © C-5 (F) B-4 (C)	Adjustments VR8001	B-5 ©	FP8002 FP8003	C-2 © C-1 ©						
Transistor-res		IC8403 IC8404	C-5 (F) A-4 (C)	VR8002 VR8003	B-5 © B-5 ©	FP8004 FP8005	C-7 © C-5 ©						
QR8002 QR8202 QR8601	A-2 (Ē) A-3 (©) C-8 (Ē)	IC8405 IC8601 IC8602 IC8801	A-4 © B-7 (F) A-7 (F) A-7 (C)	VR8004 VR8005 VR8006 VR8007	B-5 © C-3 © C-3 © B-4 ©	JP8001	C-1 ©						

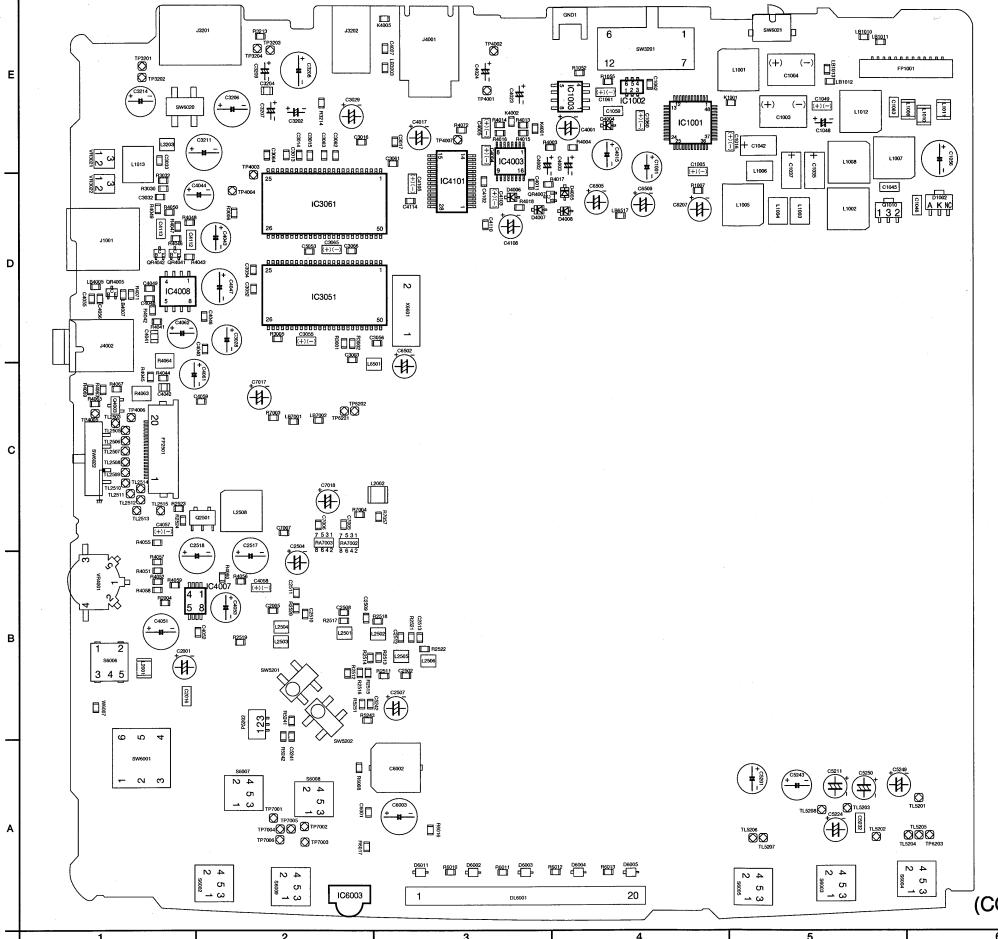
ADDRESS INFORMATION
©: COMPONENT SIDE
©: FOIL SIDE



3-19. LCD DRIVE C.B.A. <FOIL SIDE> (FOR DVD-L10 ONLY)



3-20. MAIN C.B.A. < COMPONENT SIDE>



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MAIN C.B.A.

MODE NO.	MAIN C.B.A.
DVD-L10D	VEP96523G
DVD-P10D	
DVD-L10EC	VEP96523H
DVD-P10EC	
DVD-L10EB	VEP96523H
DVD-L10EN	VEP96523J
DVD-P10EN	VEP96523D
DVD-L10MU	VEP96523K
DVD-P10MU	VEP96523E

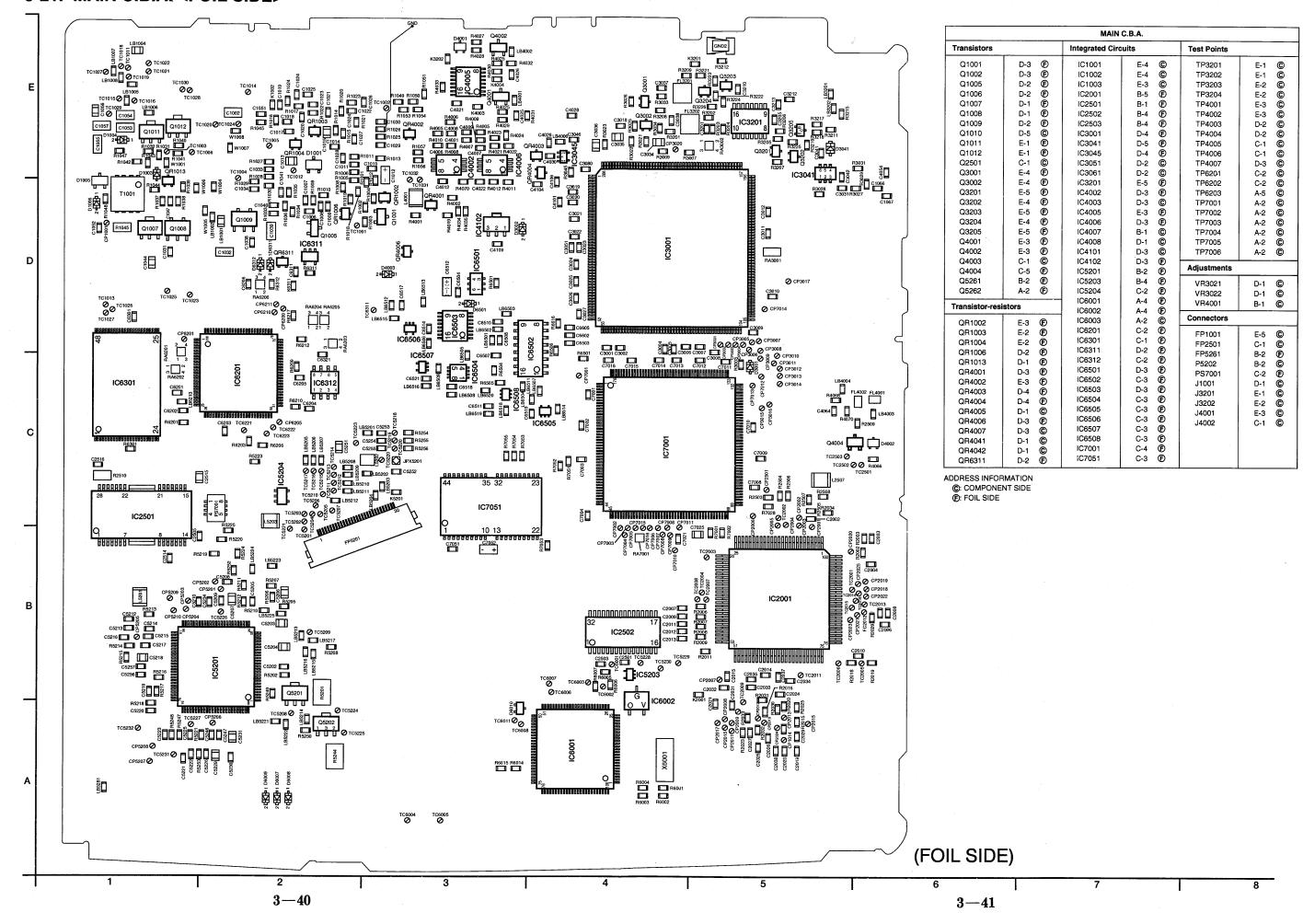
			MAIN	C.B.A.	.		
Transistors			Integrated Circ			Test Points	
Transistors			integrated Circ				
Q1001		€	IC1001	E-4	©	TP3201	E-1 ©
Q1002		(E)	IC1002	E-4	©	TP3202	E-1 ©
Q1005		€	IC1003	E-3	©	TP3203	E-2 ©
Q1006		€	IC2001	B-5	Ð	TP3204	E-2 ©
Q1007		€ (Đ	IC2501	B-1	(Ē)	TP4001	E-3 ©
Q1008		€	IC2502	B-4	(Ē)	TP4002	E-3 ©
Q1009		€	IC2503	B-4	(Ē)	TP4003	D-2 ©
Q1010		©	IC3001	D-4	€	TP4004	D-2 ©
Q1011		€	IC3041	D-5	€	TP4005	C-1 ©
Q1012		(E)	IC3045	D-4	(Ē)	TP4006	C-1 ©
Q2501		©	IC3051	D-2	©	TP4007	D-3 ©
Q3001		€	IC3061	D-2	©	TP6201	C-2 ©
Q3002		€	IC3201	E-5	€	TP6202	C-2 ©
Q3201		(F)	IC4002	D-3	e ©	TP6203	A-5 © A-2 ©
Q3202	ı	_	IC4003	D-3		TP7001	
Q3203		(F)	IC4005	E-3	(E)	TP7002	A-2 ©
Q3204		Đ	IC4006	D-3	e ©	TP7003	A-2 © A-2 ©
Q3205		Đ Đ	IC4007 IC4008	B-1 D-1	©	TP7004 TP7005	
Q4001 Q4002		Đ Đ	IC4008	D-3	©	TP7005	A-2 © A-2 ©
Q4002 Q4003		© ©	IC4101	D-3	Ē	187006	
Q4003 Q4004		e i	IC5201	B-2	Œ	Adjustments	,
Q5261		Œ)	IC5201	B-2	(Ē)		
Q5261 Q5262		Ð.	IC5203	C-2	Ē	VR3021	D-1 ©
Q5262	A-2	•	IC6001	A-4	Ē	VR3022	D-1 ©
Transistor-resi	stors		IC6001	A-4 A-4	Ē	VR4001	B-1 ©
QR1002	E-3	Ē	IC6003	A-2	Ö	Connectors	
QR1002 QR1003		(E)	IC6201	C-2	Ē	FP1001	E-5 ©
QR1003		Œ)	IC6301	C-1	Ð	FP2501	C-1 ©
QR1006		Ē	IC6311	D-2	Ē	FP5261	B-2 (F)
QR1013		(E)	IC6312	C-2	(Ē)	P5202	B-2 ©
QR4001		Ē	IC6501	D-3	€	PS7001	C-2 (F)
QR4002		Ē.	IC6502	C-3	(Ē)	J1001	D-1 ©
QR4003		Œ.	IC6503	D-3	Ē	J3201	E-1 ©
QR4004		Ē	IC6504	C-3	(Ē)	J3202	E-2 ©
QR4005		©	IC6505	C-3	Ē	J4001	E-3 ©
QR4006		Ē	IC6506	C-3	Ē	J4001	C-1 ©
QR4007		©	IC6507	C-3	Ē	04002	🖺
QR4041		©	IC6508	C-3	Ē		
QR4042		Ö	IC7001	C-4	Ē		
QR6311		Ď	IC7051	C-3	(Ē)		

ADDRESS INFORMATION
©: COMPONENT SIDE
©: FOIL SIDE

(COMPONENT SIDE)

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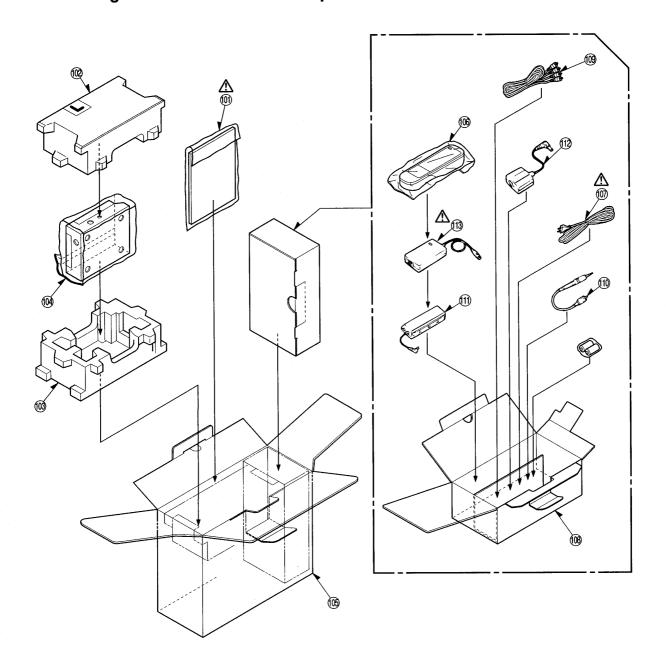
3-21. MAIN C.B.A. <FOIL SIDE>



SECTION 4 EXPLODED VIEWS & REPLACEMENT PARTS LIST

4-1. Packing & Accessories Section

4-1-1. Packing & Accessories Section Exploded View



4-1-2. Packing & Accessories Section Parts List

Note: 1. 'Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE

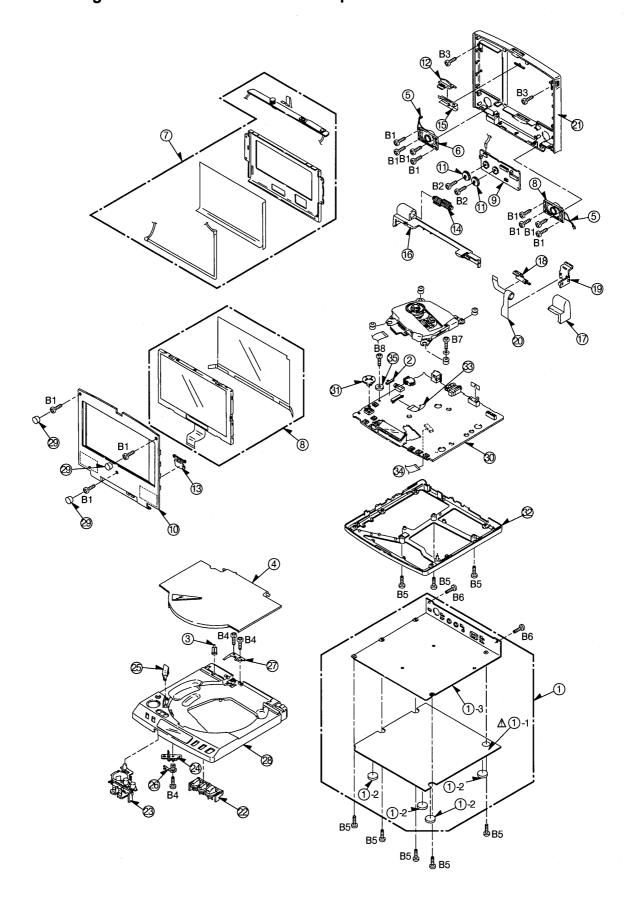
Components identified with the mark △ have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref.No.		Part No.	rt No. Part Name & Description		Remarks	
△ 101	(1)	VQT7548	OPERATING INSTRUCTIONS	1	DVD-L10EB	
	- 1		(ENGLISH)			
△ 101	(1)	VQT7551	OPERATING INSTRUCTIONS	1	DVD-L10EC	
			(ENGLISH)			
△ 101	(1)	VQT7552	OPERATING INSTRUCTIONS	1	DVD-L10EC	
			(FRENCH)			
△ 101	(1)	VQT7553	OPERATING INSTRUCTIONS	1	DVD-L10EC	
			(GERMAN)			

Ref.N	lo.	Part No.	Part Name & Description	Pcs	Remarks
102	(1)	VPN4818	CUSHION (L)	1	
103	(1)	VPN4819	CUSHION (R)	1	
104	(1)	VZZ0314	POLYETHYLENE BAG	1	
105	(1)	VPG9481	PACKING CASE	1	DVD-L10EB
106	(1)	VEQ2110	REMOTE CONTROL UNIT	1	
△ 107	(1)	VJA0940	AC CORD	1	DVD-L10EB
△ 107	(1)	VJA0664	AC CORD	1	DVD-L10EC
108	(1)	VPK2064Z	ACCESSORY CASE	1	
109	(1)	VJA1065	A/V CORD	1	
110	(1)	VJA1081	OPTICAL DIGITAL AUDIO CABLE	1	
111	(1)		BATTERY PACK	1	OPTIONAL ACCESSORY
112	(1)	VFA0297	CONVERSION ADAPTOR	1	
△ 113	(1)	VSQ1099	BATTERY CHARGER/AC ADAPTOR	1	
				Γ	

4-2. Casing Parts & Mechanism Section

4-2-1. Casing Parts & Mechanism Section Exploded View



4-3. Traverse Section

4-3-1. Traverse Section Parts List

4-2-2. Casing Parts & Mechanism Section **Parts List**

Note: 1. *Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE

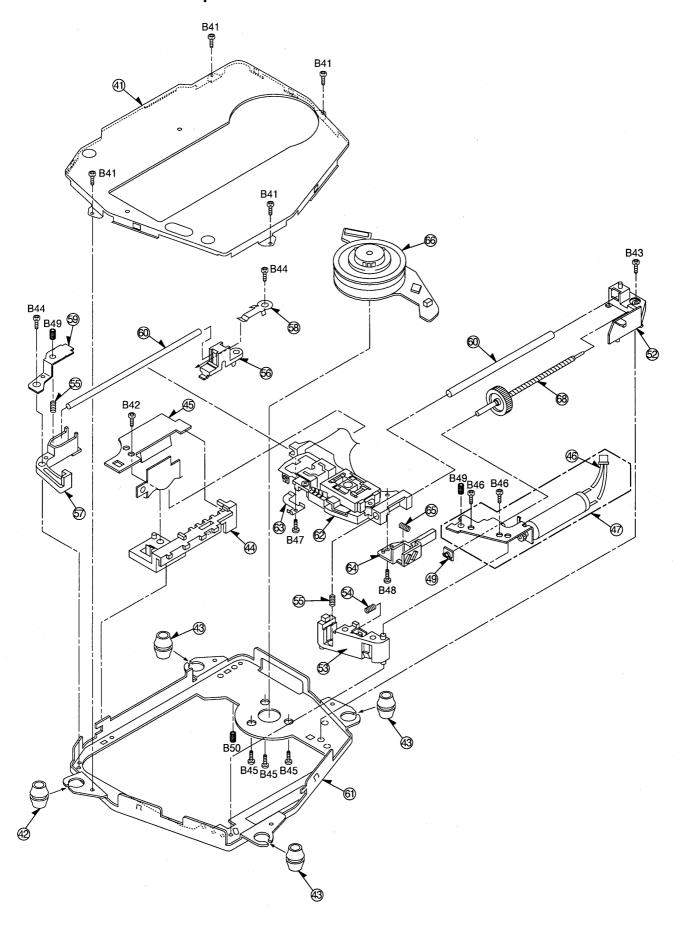
Components identified with the mark Δ have the special characteristics for safety. When replacing any of these components, use only the same type.

Note: 1. *Be sure to make your orders of replacement parts according to this list. 2. IMPORTANT SAFETY NOTICE

Components identified with the mark Δ have the special characteristics for safety. When replacing any of these components, use only the same type.

										1	
Ref.N	Vo.	Part No.	Part Name & Description	Pcs	Remarks	Ref.N).	Part No.	Part Name & Description	Pcs	Remarks
				Ш					TRAUEROF TOR SUATE	1	
1	(2)	VXK1423	BOTTOM PLATE UNIT	1		41	(3)	VMA9868	TRAVERSE TOP PLATE	1	
△ 1-1	(2)	VGQ4910	PROTECT SEAT	1		42	(3)	VMG1121	DAMPER A	1	
1-2	(2)	VKA0313	LEG	4		43	(3)	VMG1122	DAMPER B	3	
1-3	(2)	VKU0530	BOTTOM PLATE	1		44	(3)	VMD2903	INTERFACE C.B.A. BASE	1	
2	(2)	VGU7733	SLIDE LEVER	1		45	(3)	VEP90369A	INTERFACE C.B.A.	1	(RTL)
3	(2)	VGU7790	BUTTON	1		46	(3)	VEE0C60	LEAD WIRE	1	
4	(2)	VYF2458	INNER COVER	1		47	(3)	VEM0649	TRAVERSE MOTOR UNIT	1	
5		VEE0C61	LEAD WIRE	2		49	(3)	VMD2901	SCREW HOLDER	1	
	(2)		SPEAKER	2		52	(3)	VMD2897	MAIN SHAFT HOLDER A	1	
6	(2)	VSQ1066						VMD2898	MAIN SHAFT HOLDER B	1	
7	(2)	VEK8337	BACK LIGHT PANEL UNIT	1		53	(3)			1	
8	(2)	VEK8345	LCD PANEL UNIT	1		54	(3)	VMB3204	SPRING		
9	(2)	VEP93307B	LCD DRIVE C.B.A.	1	(RTL)	55	(3)	VMB3205	SPRING	2	
10	(2)	VGP4680	MONITOR COVER	1		56	(3)	VMD2899	SUB SHAFT HOLDER A	1	
11	(2)	VGU7734	VOLUME KNOB	2		57	(3)	VMD2900	SUB SHAFT HOLDER B	1	
12	(2)	VGU7735	LOCK KNOB	1		58	(3)	VMC1422	SPRING	1	
13	(2)	VGU7736	DISPLAY MODE BUTTON	1		59	(3)	VMA9866	BRACKET	1	
14	(2)	VKC0557	HINGE	1		60	(3)	VMS6287	SHAFT	2	
15	(2)	VMC1415	LOCK KNOB SPRING	1		61	(3)	VMA9865	TRAVERSE BASE	1	
16		VMD2889	SPACER	1		62	(3)	VED0399	OPTICAL PICK-UP UNIT	1	
	(2)		SPACER	1		63	(3)	VMC1398	SPRING	1	
17	(2)	VMD2890		_				VMD2902	HOLDER	1	-
18	(2)	VMD2891	FPC HOLDER	1		64	(3)	VMB3206	SPRING	1	
19	(2)	VMD2944	JOINT HOLDER	1		65	(3)			_	
20	(2)	VWJ1220	MONITOR FPC	1	(FP1001-FP8001)	66	(3)	BKL3F1CRA	DISC MOTOR	1	
21	(2)	VYP6744	MONITOR CABINET	1		68	(3)	VXJ0220	SHAFT WITH GEAR	1	
22	(2)	VGU7729	OPERATION BUTTON (R)	1							
23	(2)	VGU7730	OPERATION BUTTON (L)	1		B41	(3)	XQN2+A2	SCREW	4	
24	(2)	VGU7731	LOCK LEVER	1		B42	(3)	XQN17+CG4FZ	SCREW	1	
25	(2)	VGU7739	OPEN BUTTON	Ħ		B43	(3)	XQN2+A3	SCREW	1	
				+		B44	(3)	XYN2+J5	SCREW	2	
26	(2)	VMC1386	SPRING	<u>. </u>						3	
27	(2)	VMC1387	SPRING	1		B45	(3)	VHD1186	SCREW		
28	(2)	VYP6908	CABINET	1		B46	(3)	XYN2+J12	SCREW	2	
29	(2)	VMT0888	CUSHION	3		B47	(3)	XQN14+C2	SCREW	11	
30	(2)	VEP96523H	MAIN C.B.A.	1	(RTL)	B48	(3)	XQNQC17+3	SCREW	1	
31	(2)	VGU7732	JOYSTIC/SELECT BUTTON	1		B49	(3)	XXE26C5FN	SCREW	2	
32	(2)	VMD2885	FRAME	1		B50	(3)	XXE26C4	SCREW	1	
33	(2)	VMJ20D0048AA	20-PIN FLEXIBLE CABLE	1	(FP2501-IC16)		\-/			1	
34		VWJ30D0060AA	30-PIN FLEXIBLE CABLE	1	(FP5201-CN2)					T	
	(2)			+-	(1F3201-0142)					+-	
35	(2)	SBND90ZK0A	VOLUME KNOB	1						╂	
				_						╀	
B1	(2)	XQN2+AJ6FZ	SCREW	11						╂	
B2	(2)	XQS14+A4	SCREW	2						┺	
B3	(2)	XTW2+6SFZ	SCREW	2						<u> </u>	
B4	(2)	XQN17+CG5FZ	SCREW	3							
B5	(2)	XQN17+CQ12FZ	SCREW	8						\perp	
B6	(2)	XQN26+AJ8FZ	SCREW	2							
B7		VHD1146	SCREW	1						1	
	(2)	XQN17+A3	SCREW	+	 			 		†	
B8	(2)	AUN1/+A3	JUNEW	+∸		 		 		+	+
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4-3-2. Traverse Section Exploded View



4-4. Electrical Replacement Parts List

- 2. IMPORTANT SAFETY NOTICE: Components identified with the mark ∆ have the special characteristics for safety. When replacing any of these components, use only the same type.
 3. Unless otherwise specified,
 All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=uuF.
 4. The P.C. Board units marked width "■" show below the main assembled parts.
 5. The marking (RTL) indicaters the retention time is limited for this item.
 After the discontinuation of this assembly in production, it will no longer be available.

		assembly in production, it will no long		
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP96523H	MAIN C.B.A.	1	(RTL)
			<u> </u>	
	VEP93307B	LCD DRIVE C.B.A.	1	(RTL)
	VEI 93307 D	EOD DITTE C.B.F.C	Ė	(-,,-
			_	(DTL)
	VEP90369A	INTERFACE C.B.A.	1	(RTL)
	WEDGGEGGH.	MAIN C D A	╄	(RTL)
	VEP96523H	MAIN C.B.A.	1	(nit)
C21001	ECEV1CA100N	E.CAPACITOR CH 16V 10U	1	
C21002	ECUM1C335ZFM	C.CAPACITOR CH 16V 3.3U E.CAPACITOR CH 16V 6.8U	1 2	
C21003, 04 C21005	ECGC1CB6R8 ECST1CY105Z	T.CAPACITOR CH 16V 6.8U	1	
C21006	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C21007, 08	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C21009	ECUX1H822KBV ECUX1C104ZFV	C.CAPACITOR CH 50V 8200P C.CAPACITOR CH 16V 0.1U	1	
C21010 C21011	ECUX1C104ZFV ECUX1H821KBV	C.CAPACITOR CH 50V 820P	1	
C21012	ECST1AY225Z	T.CAPACITOR CH 10V 2.2U	1	
C21013	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1 1	
C21014 C21015	ECUX1C104ZFV ECUM1C105ZFN	C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 1U	1	
C21015	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	1	
C21017	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C21018	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C21019 C21020	ECUX1H221JCV ECUX1H822KBV	C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 8200P	1	
C21021	ECUM1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C21022	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C21023	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P C.CAPACITOR CH 50V 820P	1	
C21024 C21025-28	ECYX1H821JCV ECUX1H220JCV	C.CAPACITOR CH 50V 22P	4	
C21029	ECUX1H821KBV	C.CAPACITOR CH 50V 820P	1	
C21030	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C21031 C21032	ECUX1C104ZFV ECUM1A335KBM	C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 10V 3.3U	1 1	
C21032	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C21034	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C21035	ECST1CC336Z	T.CAPACITOR CH 16V 33U T.CAPACITOR CH 16V 33U	1	
C21037 C21038	ECST1CC336Z ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C21039	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	
C21040	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C21041	ECUX1H472KBV ECST1CC336Z	C.CAPACITOR CH 50V 4700P T.CAPACITOR CH 16V 33U	$\frac{1}{1}$	
C21042 C21044	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U		
C21045, 46	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	2	
C21047	ECUX1H331JCV	C.CAPACITOR CH 50V 330P T.CAPACITOR CH 10V 22U	1	
C21048 C21049	ECST1AX226Z ECST1AY106Z	T.CAPACITOR CH 10V 22U T.CAPACITOR CH 10V 10U	+;	
C21051	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C21052	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	_	
C21053, 54	ECUM1E105KBM ECUM1A335KBM	C.CAPACITOR CH 25V 1U C.CAPACITOR CH 10V 3.3U	_	1
C21055 C21056	ECUM1C105ZFN	C.CAPACITOR CH 16V 3.36	_	1
C21057	ECUM1E105KBM	C.CAPACITOR CH 25V 1U	_	1
C21058	ECEV1CA101W	E.CAPACITOR CH 16V 100U	_	1 1
C21059 C21060	ECUM1C335ZFM ECST1AY106Z	C.CAPACITOR CH 16V 3.3U T.CAPACITOR CH 10V 10U	_	1
C21061	ECST1CY105Z	T.CAPACITOR CH 16V 1U	_	1
C21062	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	_	1
C21063	ECUM1C335ZFM	C.CAPACITOR CH 16V 3.3U C.CAPACITOR CH 16V 0.1U		1 2
C21066, 67 C22001	ECUX1C104ZFV EEVHB0J330	E.CAPACITOR 6.3V 33U	_	1

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C22002	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22003	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C22004, 05	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C22006	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C22007	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C22008	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P C.CAPACITOR CH 16V 0.1U	1	
C22009	ECUX1C104KBV ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22010 C22011-13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
G22011-13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C22016	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	
C22019	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C22020	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C22021	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22024	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C22025	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C22026	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C22027	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	- -	
C22029	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	2	
C22031, 32	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	3	
C22033-35	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 10P	1	
C22037	ECUX1H100DCV ECUX1H562KBV	C.CAPACITOR CH 50V 10P	1	
C22038 C22501	ECUX10302KBV	C.CAPACITOR CH 16V 0.1U	11	
C22502, 03	ECUX1C1042FV	C.CAPACITOR CH 50V 0.01U	2	
C22504	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C22505	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C22506	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22507	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C22508-13	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	6	
C22514	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22515	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	
C22516	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C22517, 18	EEVFC1C470P	E.CAPACITOR 16V 47U	2	
C23001-27	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	27	
C23028	EEVHB0G101	E.CAPACITOR 4V 100U	11	
C23029	EEVHB0J330	E.CAPACITOR 6.3V 33U C.CAPACITOR CH 16V 0.1U	1 4	
C23030-33	ECUX1C104ZFV ECUM1A105KBN	C.CAPACITOR CH 10V 1U	3	
C23034-36 C23037, 38	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C23037, 30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C23046	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C23051-54	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C23055	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C23056	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C23061-64	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C23065	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C23066	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C23201	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	11	
C23202	ECST0JX336Z	T.CAPACITOR CH 6.3V 33U	11	
C23204	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1 1	
C23205	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 4V 470U	+ +	
C23206	ECEV0GA471 ECST0GX476Z	T.CAPACITOR CH 4V 47U	1	
C23207 C23208	ECEVOGA476Z	E.CAPACITOR CH 4V 470U	11	
C23209	ECST0GX476Z	T.CAPACITOR CH 4V 47U	1	
C23210	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C23211	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C23212, 13	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C23214	EEVHB0G101	E.CAPACITOR 4V 100U	1	
C24001	EEVHB1C100	E.CAPACITOR 16V 10U	11	
C24002, 03	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2	
C24004, 05	ECST0JY156Z	T.CAPACITOR CH 6.3V 15U	2	
C24006-09	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	4	
C24011, 12	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C24015	EEVHB1C220	E.CAPACITOR 16V 22U C.CAPACITOR CH 16V 0.1U	1 2	
C24021, 22	ECUX1C104ZFV ECST14X2267	T.CAPACITOR CH 10V 22U	2	
C24023, 24 C24025, 26	ECST1AX226Z ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C24025, 26	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C24027	ECUX1C104ZIV	C.CAPACITOR CH 16V 0.1U	1	
C24029, 30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C24032, 33	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C24040	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C24041, 42	ECUM1H472KBN		2	
C24043, 44	ECEV1AA470W	E.CAPACITOR CH 10V 47U	2	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C24046	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		C27001-16	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	16	
C24047	ECEV1CA101W	E.CAPACITOR CH 16V 100U	1		C27017, 18	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C24048, 49	ECUM1C393KBV	C.CAPACITOR CH 16V 0.039U	2		C27021	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C24051	EEVHB0J101	E.CAPACITOR 6.3V 100U	1		C27025	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	***************************************
C24052	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		C27051	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C24053	EEVHB1C220	E.CAPACITOR 16V 22U	1		C27052	ECST1AY685Z	T.CAPACITOR CH 10V 6.8U	1	
C24054	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		C27053	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C24057, 58	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2		027033	LCOX 10 10421 V	C.OAFACITOR CITTOV 0.10	+	
C24057, 38			_		001001	1440400 1	DIODE	1	
	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		D21001	MA3130-L	DIODE	1	
C24061, 62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2		D21002	SB20-03P-TD	DIODE	1	
C24063-65	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3		D21003, 04	MA111	DIODE	2	
C24070	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		D21005	SB05-05CP	DIODE	1	
C24101, 02	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2		D21006	MA111	DIODE	1	
C24103	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	ì.	D23001	MA8030-H	DIODE	1	
C24104	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		D23002	MA111	DIODE	1	
C24105	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		D23041	MA111	DIODE	1	
C24106	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		D24001, 02	MA142WA	DIODE	2	
C24107, 08	EEVHB0J330	E.CAPACITOR 6.3V 33U	2		D24003-08	MA111	DIODE	6	
C24109, 10	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2		D26002-05	LN1371GTR	LED (GREEN)	4	
C24112, 13	ECUM1A335KBM								
		C.CAPACITOR CH 10V 3.3U	2		D26007-09	MA111	DIODE	3	
C24114	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		D26010	MA142WK	DIODE	1	
C25201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1		D26011	LN1371GTR	LED (GREEN)	1	
C25202	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1		D26311, 12	MA728	DIODE	2	
C25203, 04	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	2		D26501	MA111	DIODE	1	
C25205	ECUM1A184KBV	C.CAPACITOR CH 10V 0.18U	1					L	
C25206, 07	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	2		DL26001	LD-B10231JZ	LCD	1	
C25208, 09	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2						
C25210	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		FL23201	VLF1391	FILTER	1	
C25211	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		FL23202	VLF1425	FILTER	1	
C25212, 13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2					Ι	
C25214	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1		FP21001	VJS4047A026	CONNECTOR (FEMALE) 26P	1	
C25215			-				· · · · · · · · · · · · · · · · · · ·		
	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		FP22501	VJS3320B020	CONNECTOR (FEMALE) 20P	1	
C25216	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1		FP25201	VJS3319B030	CONNECTOR (FEMALE) 30P	1	
C25217	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	1					<u> </u>	
C25218	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1		GND2	VMC1467	EARTH ANGLE	1	
C25219, 20	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2						
C25221	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1		IC21001	BA9707KV	IC .	1	
C25222	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	1		IC21002	PQ1R50	IC	1	
C25223	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC21003	AN1393S	IC	1	
C25224	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		IC22001	MN67702AA1	IC	1	
C25225, 26	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2		IC22501	AN8481SB	IC	1	
C25229	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1		IC22502	BH6511FS	IC	1	
C25230	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1			MN67750EXA		-	
					IC23001		IC	1	
C25231	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1		IC23041	PQ1R33	IC	1	
C25232	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1		IC23045	TC7SH08FU	IC	1	
C25234	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC23051	MNX7160A	IC	1	
C25241, 42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2		IC23061	HM5241605T12	IC	1	
C25243	EEVHB0J470	E.CAPACITOR 6.3V 47U	1		IC23201	BA7665FS	IC	1	
C25246, 47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2		IC24002	NJM3404AV	IC	1	
C25249, 50	EEVHB1C100	E.CAPACITOR 16V 10U	2		IC24003	BU4053BCFV	IC	1	
C25251		C.CAPACITOR CH 10V 1U	1		IC24005	BU4053BCFV	IC	1	
C25252	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC24006	NJM3404AV	IC	1	
C25253-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3		IC24007	NJM3414AV	IC	1	
C25256		C.CAPACITOR CH 50V 1000P	1		IC24007	NJM2073M	IC .	1	
C25256								_	
		C.CAPACITOR CH 50V 5600P	1		IC24101	PCM1716E	IC .	1	· · · · · · · · · · · · · · · · · · ·
C26001		C.CAPACITOR CH 16V 0.1U	1		IC24102	UPC29L05T	IC .	1	
C26002	ECEV0JA331	E.CAPACITOR CH 6.3V 330U	1		IC25201	AN8825NFHQ-V	IC	1	
C26003	EEVHB0J101	E.CAPACITOR 6.3V 100U	1		IC25203	TC7S08FU	IC	1	
C26201-06		C.CAPACITOR CH 16V 0.1U	6		IC25204	RN5RZ20BA-TR	IC	1	
C26207	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		IC26001	MN101C03ABB	IC	1	
C26301	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC26002	PST7032-MT	IC	1	
C26311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC26003	RPM6937	IC	1	
C26321	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC26201	MN102L25DN2J	IC	1	
C26501	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC26301	TC58F400FTA	IC	1	
C26502	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		IC26311	PST9142NR	IC	1	
C26503, 04	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2		IC26311	X25C02ST2	IC	1	
C26505								-	
	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		IC26501	PQ1R33	IC	1	
C26506-08	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3		IC26502	BU2185F	IC	1	
C26509	EEVHB0J330	E.CAPACITOR 6.3V 33U	1		IC26503	TCVHC157FTEL	IC	1	
C26510, 11	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2		IC26504	TC7WH74FU	IC	1	
C26512	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		1026505	TC7SHU04FU	IC	1	
C26514	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC26506	TC7ST04FU	IC	1	
C26517-19	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3		IC26507, 08	TC7SHU04FU	IC	2	
C26521	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1		IC27001	MN103005AN2G	IC	1	
C26602		C.CAPACITOR CH 50V 15P	1		IC27051	M4V4265CT7ST	IC	1	
C26605		C.CAPACITOR CH 50V 20P	1		1	22227707		H	
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J27001	J23201 VJJ0604 J23202 VJJ0603 J24001 GP1F362T J24002 VJJ0606 K21001 ERJ3GEY0R00 K22001 ERJ3GEY0R00 K24005 ERJ3GEY0R00 K25201 ERJ3GEY0R00 K26311 ERJ3GEY0R00 L21002 VLQ0837M4R7 L21003 VLQ0837M330 L21004 VLQ0837M330 L21005 VLQ0837M330 L21006 VLQ0837M4R7 L21007 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K220 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0837M4R7 L21011 VLQ0837M4R7 L21012 VLQ0779K100 L22501, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22505, 06 VLQ0780K100 L22506 VLQ0837M101 L22507 VLQ0779K101 L23204 ERJ3GEY0R00 L24001 <th>S TERMINAL VIDEO IN/OUT JACK AUDIO/OPT OUT JACK HEADPHONE JACK M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0</th> <th>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2</th> <th></th>	S TERMINAL VIDEO IN/OUT JACK AUDIO/OPT OUT JACK HEADPHONE JACK M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	
JA2202	J23202 VJJ0603 J24001 GP1F362T J24002 VJJ0606 K21001 ERJ3GEY0R00 K22001 ERJ3GEY0R00 K2201 ERJ3GEY0R00 K25201 ERJ3GEY0R00 K26311 ERJ3GEY0R00 L21001 VLQ0837M4R7 L21002 VLQ0837M330 L21003, 04 VLQ0838M4R7 L21005 VLQ0837M330 L21006 VLQ0837M30 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K20 L21011 VLQ0319K20 L21011 VLQ0319K100 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22507 VLQ0780K100 L22507 VLQ0780K100 L22508 VLQ0780K100 L22508 VLQ0780K100 L22508 VLQ0780K100 L22508 VLQ0779K100 L23204 ERJ3GEY0R00 L24001 VLQ0779K101	VIDEO IN/OUT JACK AUDIO/OPT OUT JACK HEADPHONE JACK M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 COIL 4.7UH COIL 33UH COIL 4.7UH COIL 15UH COIL 15UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 10UH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	
Mathematical National Services Mathematical Servic	J24001 GP1F362T J24002 VJJ0606 K21001 ERJ3GEY0R00 K22001 ERJ3GEY0R00 K22001 ERJ3GEY0R00 K25201 ERJ3GEY0R00 K26311 ERJ3GEY0R00 L21002 VL00837M4R7 L21003 VL00837M330 L21004 VL00837M330 L21005 VL00837M330 L21006 VL00838M4R7 L21007 VL00836M150 L21008 VL00837M4R7 L21009 VL00319K220 L21010 VL00319K220 L21011 VL00319K220 L21012 VL00837M4R7 L21013 VL00849 L22011 VL00779K100 L22501, 02 VL00779K100 L22503, 04 VL00780K100 L22505, 06 VL00780K100 L22507 VL00780K100 L22508 VL00879K101 L23204 ERJ3GEY0R00 L24001 VL00779K101 L24002 ERJ3GEY0R00	AUDIO/OPT OUT JACK HEADPHONE JACK M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 COIL 4.7UH COIL 33UH COIL 4.7UH COIL 33UH COIL 4.7UH COIL 15UH COIL 15UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 4.7UH COIL 10UH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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K283111 ERJ3GEVOROD M. RESISTOR CH 1/16W 0 1 L21001 VL08837M4R7 COIL 4.7UH 1 L21002 VL08837M3730 COIL 33UH 1 L21003 VL00838M47 COIL 4.7UH 2 L21006 VL00838M47 COIL 4.7UH 1 L21008 VL00838M47 COIL 4.7UH 1 L21009 VL00387M4R7 COIL 4.7UH 1 L21009 VL00319K100 COIL 2.7UH 1 L21010 VL00319K100 COIL 2.7UH 1 L21011 VL00387M4R7 COIL 2.7UH 1 L21012 VL00887M4R7 COIL 4.7UH 1 L21013 VL00787K100 COIL 1.0UH 2 L22901 VL0078K100 COIL 1.0UH 2 L22901 VL0078K100 COIL 1.0UH 2 L22901 VL00779K70 COIL 1.0UH 1 <td>K26311 ERJ3GEY0R00 L21001 VLQ0837M4R7 L21002 VLQ0837M330 L21003 QVLQ0837M330 L21005 VLQ0838M4R7 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0849 L22001 QVLQ0779K100 L22501 QVLQ0779K100 L22503 QVLQ0780K100 L22505 QG VLQ079K100 L22507 VLQ0780K100 L22508 VLQ0780K100 L22509 VLQ079K100 L22509 ERJ3GEY0R00 L24001 VLQ0779K101 L24001 VLQ0779K101</td> <td>COIL 4.7UH COIL 33UH COIL 33UH COIL 33UH COIL 33UH COIL 4.7UH COIL 15UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 10UH COIL 22UH COIL 10UH /td> <td>1 1 2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2</td> <td></td>	K26311 ERJ3GEY0R00 L21001 VLQ0837M4R7 L21002 VLQ0837M330 L21003 QVLQ0837M330 L21005 VLQ0838M4R7 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0849 L22001 QVLQ0779K100 L22501 QVLQ0779K100 L22503 QVLQ0780K100 L22505 QG VLQ079K100 L22507 VLQ0780K100 L22508 VLQ0780K100 L22509 VLQ079K100 L22509 ERJ3GEY0R00 L24001 VLQ0779K101 L24001 VLQ0779K101	COIL 4.7UH COIL 33UH COIL 33UH COIL 33UH COIL 33UH COIL 4.7UH COIL 15UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 10UH COIL 22UH COIL 10UH	1 1 2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	
L21002	L21002 VLQ0837M330 L21003, 04 VLQ0838M4R7 L21005 VLQ0837M330 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K220 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K100 L22507 VLQ0779K101 L23204 ERJGGEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 33UH COIL 4.7UH COIL 33UH COIL 4.7UH COIL 15UH COIL 4.7UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 4.7UH COIL 22UH COIL 4.7UH COIL 4.7UH COIL 4.7UH COIL 10UH	1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	
L21002	L21002 VLQ0837M330 L21003, 04 VLQ0838M4R7 L21005 VLQ0837M330 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K220 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K100 L22507 VLQ0779K101 L23204 ERJGGEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 33UH COIL 4.7UH COIL 33UH COIL 4.7UH COIL 15UH COIL 4.7UH COIL 22UH COIL 10UH COIL 22UH COIL 10UH COIL 33UH COIL 4.7UH COIL 22UH COIL 4.7UH COIL 4.7UH COIL 4.7UH COIL 10UH	1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	
127003.04	L21003, 04 VL00838M4R7 L21005 VLQ0837M330 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K100 L21011 VLQ0319K20 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 4.7UH COIL 33UH COIL 4.7UH COIL 15UH COIL 4.7UH COIL 22UH COIL 22UH COIL 22UH COIL 4.7UH COIL 22UH COIL 33UH COIL 10UH	2 1 1 1 1 1 1 1 1 1 1 2 2	
121005	L21005 VLQ0837M330 L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0837M4R7 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 33UH COIL 4.7UH COIL 15UH COIL 22UH COIL 22UH COIL 22UH COIL 4.7UH COIL 22UH COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 30UH COIL 30UH COIL 30UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH	1 1 1 1 1 1 1 1 1 2 2 2 2 2	
121006	L21006 VLQ0838M4R7 L21007 VLQ0836M150 L21008 VLQ0836M150 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 4.7UH COIL 15UH COIL 4.7UH COIL 22UH COIL 10UH COIL 22UH COIL 4.7UH COIL 4.7UH COIL 32UH COIL 4.7UH COIL 4.7UH COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH	1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	
L21007	L21007 VLQ0836M150 L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K100 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 15UH COIL 4.7UH COIL 22UH COIL 10UH COIL 22UH COIL 4.7UH COIL 4.7UH CHOKE COIL 10UH COIL 10UH COIL 33UH COIL 33UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH	1 1 1 1 1 1 1 2 2	
L21008	L21008 VLQ0837M4R7 L21009 VLQ0319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K100 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 4.7UH COIL 22UH COIL 10UH COIL 22UH COIL 4.7UH CHOKE COIL COIL 10UH COIL 33UH COIL 33UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 10UH COIL 47UH COIL 10UH M.RESISTOR CH 1/10W 0	1 1 1 1 1 1 2 2 2	
L21009	L21009 VL00319K220 L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 22UH COIL 10UH COIL 22UH COIL 4.7UH CHOKE COIL COIL 10UH COIL 33UH COIL 10UH	1 1 1 1 1 2 2 2	
L21010	L21010 VLQ0319K100 L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 10UH COIL 22UH COIL 4.7UH CHOKE COIL COIL 10UH COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 10UH COIL 10UH M. 10UH COIL 47UH COIL 10UH M. 10UH COIL 10UH	1 1 1 1 2 2 2	
L21011	L21011 VLQ0319K220 L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22503, 04 VLQ0780K100 L22505, 06 VLQ0780K330 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 22UH COIL 4.7UH CHOKE COIL COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 47UH COIL 10UH M.RESISTOR CH 1/10W 0	1 1 1 2 2 2	
L21012	L21012 VLQ0837M4R7 L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 4.7UH CHOKE COIL COIL 10UH COIL 33UH COIL 10UH COIL 47UH COIL 10UH M.RESISTOR CH 1/10W 0	1 1 2 2 2	
L21013	L21013 VLQ0849 L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJ6GEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	CHOKE COIL COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 47UH COIL M.RESISTOR CH 1/10W 0	1 2 2 2	
L22001, 02	L22001, 02 VLQ0779K100 L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 10UH COIL 10UH COIL 33UH COIL 10UH COIL 47UH COIL 10UH M.RESISTOR CH 1/10W 0	2 2 2	
L22501, 02	L22501, 02 VLQ0780K100 L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJ6GEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 10UH COIL 33UH COIL 10UH COIL 47UH COIL 100UH M.RESISTOR CH 1/10W 0	2	
L22503, 04	L22503, 04 VLQ0780K330 L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 33UH COIL 10UH COIL 47UH COIL 100UH M.RESISTOR CH 1/10W 0	2	
L22505	L22505, 06 VLQ0780K100 L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJ6GEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 10UH COIL 47UH COIL 100UH M.RESISTOR CH 1/10W 0	\vdash	
L22508	L22507 VLQ0779K470 L22508 VLQ0837M101 L23203 ERJ6GEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 47UH COIL 100UH M.RESISTOR CH 1/10W 0	_ / •	
1.22508	L22508 VLQ0837M101 L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	COIL 100UH M.RESISTOR CH 1/10W 0		
L23203	L23203 ERJGGEY0R00 L23204 ERJ3GEY0R00 L24001 VLQ0779K101 L24002 ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	-	
L23204 ERJ3GEYOROD M.RESISTOR CH 1/16W 0 1	L23204 ERJ3GEY0R00 L24001 VL00779K101 L24002 ERJ3GEY0R00		_	
L24001	L24001 VLQ0779K101 L24002 ERJ3GEY0R00		-	
L24002 ERJ3GEYOR00 M.RESISTOR CH 1/16W 0 1	L24002 ERJ3GEY0R00		_	
L25201			_	
L25201			-	
L25202			_	
L25203		·}	-	
L821001			_	
LB21001			_	
LB21002	L20301 VLQ04203220	GOIL ZZGII	H	
LB21002	LR21001 IALRK2HS470T	COII	1	
LB21004			-	
LB21005-09			-	
LB21010-13				
LB23201, 02			-	
LB23203				
LB24001-04			-	
LB24005		COIL 22UH	4	
LB24006-08		CHIP SOLID INDUCTOR	1	
LB26221-25		COIL	3	
LB25221-25		COIL	17	
LB25231			-	
LB26213			_	
LB26501, 02 VLP0323A601T CHIP SOLID INDUCTOR 2 LB26503-05 VLP0155 COIL 3 LB26506 VLP0323A601T CHIP SOLID INDUCTOR 1 LB26507 VLP0155 COIL 1 LB26508 VLP0323A601T CHIP SOLID INDUCTOR 1 LB26509 VLP0155 COIL 1 LB26511, 12 VLP0323A601T CHIP SOLID INDUCTOR 2 LB26513-15 VLP0155 COIL 3 LB26516, 17 VLP0323A601T CHIP SOLID INDUCTOR 2 LB26518 VLP0155 COIL 1 LB26519 VLP0323A601T CHIP SOLID INDUCTOR 1 LB26520 VLP0155 COIL 1 LB27001, 02 VLP0155 COIL 1 P25202 VJP4004C003W CONNECTOR (MALE) 3P 1 PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1			1	
LB26503-05		CHIP SOLID INDUCTOR	2	
LB26506		COIL	3	
LB26507		CHIP SOLID INDUCTOR	1	
LB26509		COIL		
LB26511, 12		CHIP SOLID INDUCTOR	1	
LB26513-15		COIL	1	
LB26516, 17	LB26511, 12 VLP0323A601T	CHIP SOLID INDUCTOR		
LB26518	LB26513-15 VLP0155	COIL	_	
LB26519	LB26516, 17 VLP0323A601T	CHIP SOLID INDUCTOR		
LB26520 VLP0155 COIL 1 LB27001, 02 VLP0155 COIL 2 P25202 VJP4004C003W CONNECTOR (MALE) 3P 1 PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1			-	
LB27001, 02 VLP0155 COIL 2 P25202 VJP4004C003W CONNECTOR (MALE) 3P 1 PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1	LB26519 VLP0323A601T		-	
P25202 VJP4004C003W CONNECTOR (MALE) 3P 1 PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1				
PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1	LB27001, 02 VLP0155	COIL	2	
PS27001 VJS2961A008 CONNECTOR (FEMALE) 8P 1 Q21001 2SB970X TRANSISTOR 1			\vdash	
Q21001 2SB970X TRANSISTOR 1	P25202 VJP4004C003W	CONNECTOR (MALE) 3P	11	
Q21001 2SB970X TRANSISTOR 1			\vdash	
	PS27001 VJS2961A008	CONNECTOR (FEMALE) 8P	1-	
		l	ļ.	
Q21005 2SB970X TRANSISTOR 1			_	
			-	
Q21007 2SB798 TRANSISTOR 1		I LOANCIC LOD	1 1	
Q21008, 09 FP106-TL TRANSISTOR 2	u21008, 09 FP106-TL		+	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q21010	2SA1898S-TD	TRANSISTOR	1	
Q21011, 12	2SB1073	TRANSISTOR	2	
Q22501	FP106-TL	TRANSISTOR	1	
023001, 02	2SB1218A-R	TRANSISTOR	2	
Q23201	2SB1218	TRANSISTOR TRANSISTOR	2	
Q23202, 03	2SD1819A	TRANSISTOR	2	
Q23204, 05 Q24001-04	2SB1218 2SD1328-R	TRANSISTOR	4	
Q25201, 02	2SB1115-T	TRANSISTOR	2	
Q23201, 02	23011131	THANOIOTOR	Ħ	
QR21002	UN5214	TRANSISTOR-RESISTOR	1	
QR21003	UN5114	TRANSISTOR-RESISTOR	1	
QR21004	UN5214	TRANSISTOR-RESISTOR	1	
QR21006	UN5214	TRANSISTOR-RESISTOR	1	
QR21013	UN5214	TRANSISTOR-RESISTOR	1	
QR24001	UN5211	TRANSISTOR-RESISTOR	1	
QR24002	UN5114	TRANSISTOR-RESISTOR	1	
QR24003, 04	UN5211	TRANSISTOR-RESISTOR	2	
QR24005	UN5111	TRANSISTOR-RESISTOR	1	
QR24006	UN5211	TRANSISTOR-RESISTOR	1	
QR24007	UN5114	TRANSISTOR-RESISTOR	1	
QR24041	UN5114	TRANSISTOR-RESISTOR	1	
QR24042	UN5211	TRANSISTOR-RESISTOR	1	-
QR26311	UN5212	TRANSISTOR-RESISTOR	1	
		AL DECLOTOR OF THE STATE ASS.	1 - 1	
R21001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R21002	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/16W 10K	1 1	
R21003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K M.RESISTOR CH 1/16W 4.7K	1	
R21004	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R21005, 06	ERJ3RBD182 ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	2	
R21007, 08 R21009, 10	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R21011	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R21012	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R21013	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R21014	ERJ3RED184	M.RESISTOR CH 1/16W 180K	1	
R21015	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R21016	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R21017	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R21018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R21019	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R21020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R21021	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R21022, 23	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R21024	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R21025	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R21026	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R21027	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R21028	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R21029	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1 1	
R21030	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1 1	
R21031	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R21032	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 6.8K	1	
R21033	ERJ3RBD682 ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R21034	ERJ3RBD331 ERJ3RBD182	M.RESISTOR CH 1/16W 330	1	
R21035 R21036	ERJ3RBU182 ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	+	
R21036	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R21037	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21039	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R21040	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R21041	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R21042	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R21043	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R21044	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R21045	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R21046	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R21047	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R21048	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1 1	
R21049	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R21050	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R21051	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R21052	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 10K	$\frac{1}{1}$	
R21053	ERJ3RBD103 ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	++	· · ·
R21054	ERJ3RBD122 ERJ3RBD103	M.RESISTOR CH 1/16W 1.2K	1	
R21055	LINOUDD 109	WILL COLOT OF 17 TOWN TOR	+	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.
R21056, 57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R24027, 28
R22002	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 10K	1 1		R24029, 30 R24031, 32
R22003 R22004	ERJ3GEYJ103 ERJ3GEYJ202	M.RESISTOR CH 1/16W 10K	11		R24033
R22005	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		R24034, 35
R22006	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1		R24041
R22007	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1		R24042
R22008, 09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2		R24043
R22011	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1 1		R24044
R22015, 16	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	3		R24045 R24046
R22018-20 R22022, 23	ERJ3GEYJ562 ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K M.RESISTOR CH 1/16W 5.6K	2		R24047
R22025	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11		R24048
R22028	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1		R24049
R22029	ERJ3GEYF512	M.RESISTOR CH 1/16W 5.1K	1		R24050
R22030-33	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	4		R24051, 52
R22034	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R24055, 56
R22503, 04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2		R24057, 58
R22505	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270 M.RESISTOR CH 1/16W 10K	1 2		R24059, 60 R24063, 64
R22507, 08 R22509	ERJ3GEYJ103 ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1		R24065, 66
R22510	ERJ8GEYKR47	M.RESISTOR CH 1/8W 0.47	11		R24067, 68
R22511-16	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	6		R24069, 70
R22517, 18	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2		R24071
R22519, 20	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2		R24072
R22521, 22	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2		R25201
R22523	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1 1 -		R25202
R22524	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1 1		R25205 R25206
R23001 R23002	ERJ3GEYJ220 ERJ3GEY0R00	M.RESISTOR CH 1/16W 22 M.RESISTOR CH 1/16W 0	11		R25207
R23002	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	+++		R25208
R23005	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	11		R25210
R23006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R25211
R23007	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R25212
R23009	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		R25213
R23021	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1 1		R25214
R23022	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1 1		R25215 R25216
R23023 R23025	ERJ3GEYJ821 ERJ3GEYJ331	M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 330	+ †		R25217, 18
R23025	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	11		R25219, 20
R23027, 28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R25221
R23029-32	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4		R25223-25
R23033, 34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R25241
R23045	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R25242
R23201, 02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R25243 R25244
R23203 R23204	ERJ3GEYJ223 ERJ3GEYJ153	M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 15K	1 1		R25244
R23205-07	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3		R25249, 50
R23208, 09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2		R25251
R23211	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R25252
R23212	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1		R25253
R23213	ERJ3GEYF750	M.RESISTOR CH 1/16W 75	1		R25254-56
R23214	ERJ3EKF71R5	M.RESISTOR CH 1/16W 71.5	1 1		R26001
R23215	ERJ3GEYF750	M.RESISTOR CH 1/16W 75 M.RESISTOR CH 1/16W 1K	1		R26002-04
R23217 R23218	ERJ3GEYF102 ERJ3GEYF821	M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 820	+++		R26008
R23219	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	+i+		R26010-13
R23220	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	11		R26014
R23221	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		R26015
R23222-24	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3		R26016
R23225	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1		R26017
R24001	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	-	R26201
R24002	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1		R26203 R26206
R24003, 04 R24005, 06	ERJ3RBD103 ERJ3GEYG472	M.RESISTOR CH 1/16W 10K M.RESISTOR CH 1/16W 4.7K	2 2		R26209
R24007, 08	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2		R26210
R24007, 00	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		R26212
R24011	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		R26217
R24012	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1		R26301
R24013, 14	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2		R26311
R24015, 16	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2		R26312
R24017	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1 1 -		R26501
R24018, 19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2		R26504, 0
R24021, 22 R24023, 24	ERJ3GEYJ224 ERJ3GEYJ394	M.RESISTOR CH 1/16W 220K M.RESISTOR CH 1/16W 390K	2 2		R27001
R24025, 26	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2		R27002
116 1060, 60	L11000L100L1	1			

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R24027, 28 R24029, 30	ERJ3GEYG102 ERJ3GEYJ473	M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 47K	2	
R24029, 30	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R24033	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24034, 35	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R24041	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R24042	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R24043	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R24044	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R24045	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R24046	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R24047	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150 M.RESISTOR CH 1/16W 15K	1	
R24048 R24049	ERJ3GEYJ153 ERJ3GEYJ151	M.RESISTOR CH 1/16W 15K M.RESISTOR CH 1/16W 150	1	
R24049	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R24051, 52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R24055, 56	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R24057, 58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R24059, 60	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R24063, 64	ERJ14YJ270	M.RESISTOR CH. 1/4W 27	2	
R24065, 66	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R24067, 68	ERJ3GEYJ1R5	M.RESISTOR CH 1/16W 1.5	2	
R24069, 70	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R24071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24072	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/2W 27	1	
R25201 R25202	ERJ12YJ270 ERJ3GEYJ123	M.RESISTOR CH 1/2W 27 M.RESISTOR CH 1/16W 12K	1	
R25202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R25206	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R25207	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R25208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R25210	ERJ3GEYF682	M.RESISTOR CH 1/16W 6.8K	1	
R25211	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R25212	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R25213	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R25214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R25215	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R25216	ERJ3GEYF682	M.RESISTOR CH 1/16W 6.8K	1	
R25217, 18	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R25219, 20	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R25221	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K M.RESISTOR CH 1/16W 0	3	
R25223-25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 10K	1	
R25241 R25242	ERJ3GEYJ103 ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R25243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R25244	ERJ12YJ270	M.RESISTOR CH 1/2W 27	1	
R25247, 48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R25249, 50	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	2	
R25251	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R25252	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R25253	ERJ3GEYJ514	M.RESISTOR CH 1/16W 510K	1	
R25254-56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R26001	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R26002-04	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R26005-07	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	3	
R26008	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33 M.RESISTOR CH 1/16W 330	1 4	
R26010-13 R26014	ERJ3GEYJ331 ERJ3GEYJ223	M.RESISTOR CH 1/16W 330 M.RESISTOR CH 1/16W 22K	1	
R26014 R26015	ERJ3GEYJ223 ERJ3GEYJ333	M.RESISTOR CH 1/16W 22K	1	
R26016	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R26017	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R26201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R26203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R26206	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R26209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R26210	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R26212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R26217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R26301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R26311	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/16W 10K	1	
R26312 R26501	ERJ3GEYJ103 ERJ3GEY0R00	M.RESISTOR CH 1/16W 10K	1	
R26504, 05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R26616	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R27001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R27002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R27003		M.RESISTOR CH 1/16W 470	1	
R27004		M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 33	5	
R27051-55 R27057		M.RESISTOR CH 1/16W 0	1	
N27037	ENJOGETOTIO	WI.HESISTON OF 17 TOTAL	H	
RA23001	EXBV8V473J	RESISTOR-RESISTOR	1	
RA23002		RESISTOR-RESISTOR	1	
RA26201, 02		RESISTOR-RESISTOR	2	
RA26203	EXBV4V222J	RESISTOR-RESISTOR	1	
RA26204-06	EXBV4V473J	RESISTOR-RESISTOR	3	
RA27001	EXBV4V471J	RESISTOR-RESISTOR	1	
RA27002, 03	EXBV8V473J	RESISTOR-RESISTOR	2	
S26002-09	EVQPHP03T	SWITCH	8	
			<u> </u>	
SW23201	VSS0548	I/O SELECT SWITCH	1	
SW25201, 02	VSP1077	DETECTOR SWITCH	2	
SW26001	VSP1072	SWITCH	11	
SW26020	VSP1077	DETECTOR SWITCH	1	
SW26021	VSP1074	BATTERY DETECTOR SWITCH	1	
SW26022	VSS0547	POWER SWITCH	1	
T21001	VLT0914	TRANSFORMER	1	
		A DECICE OF THE PROPERTY OF TH	 ↓	
VR23021, 22	VRV0293B102T	VARIABLE RESISTOR	2	
VR24001	EVUAEAT43C54	POTENTIOMETER		
	5500000455	OCDAMIC OCCUL ATOD	1	
X26001	EF0S8004E5	CERAMIC OSCILLATOR	1	
X26601	VSX0943	CRYSTAL OSCILLATOR	+	
		MISCELLANEOUS	\vdash	
	VMD2886	LCD HOLDER	1	
	VIVIDZ000	LOD HOLDEN	t	
	-		1-	
	VEP93307B	LCD DRIVE C.B.A.	1-	(RTL)
	VLF33307D	LOD DITIVE O.D.A.	1	(1112)
C28001, 02	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	2	
C28004	ECUM1H030DCQ	C.CAPACITOR CH 50V 3P	1	
C28005	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	1	
C28006	ECUX1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C28007	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C28008	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C28009	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	1	
C28011	ECST1AY335Z	T.CAPACITOR CH 10V 3.3U	1	
C28012	ECUM1C682KBQ	C.CAPACITOR CH 16V 6800P	1	
C28013, 14		C.CAPACITOR CH 16V 0.01U	2	
	ECUX1C103KBQ		1 4	i
	ECUX1C103KBQ ECST0JX336Z	T.CAPACITOR CH 6.3V 33U	1	
C28028	ECUX1C103KBQ ECST0JX336Z ECST1AY106Z		_	
	ECST0JX336Z	T.CAPACITOR CH 6.3V 33U T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U	1	
C28028 C28029	ECST0JX336Z ECST1AY106Z	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U C.CAPACITOR CH 25V 220P	1	
C28028 C28029 C28030	ECST0JX336Z ECST1AY106Z ECUM1A105KBN	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U	1 1	
C28028 C28029 C28030 C28031	ECST0JX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U C.CAPACITOR CH 25V 220P	1 1 1 1 2	
C28028 C28029 C28030 C28031 C28034, 35	ECST0JX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 10V 0.22U	1 1 1 1 2 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036	ECST0JX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 20V 1U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 10V 0.22U C.CAPACITOR CH 16V 0.1U	1 1 1 2 1 1 1 2	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 20V 1U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 10V 0.22U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P	1 1 1 1 2 1 1 2 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZPQ ECUX1H270JCQ ECUX1H270JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 0.7P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P	1 1 1 1 2 1 1 2 1 1 2	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUX1C103KBG ECUX1A224KBV ECUX1A224KBV ECUX1A224KBV ECUX1H270JCQ ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 0.70 C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U	1 1 1 1 2 1 1 2 1 1 2 1 1 9	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBN ECUX1C103KBQ ECUX1A224KBV ECUX1A21C104ZFQ ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 2 1 1 2 1 1 1 9	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28201	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1A224KBV ECUX1A224KBV ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ ECUM1C105KBM	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 2 1 1 2 1 1 9	
C28028 C28029 C28030 C28031 C28034, 35 C28037 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28201 C28202-11	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1A224KBV ECUX1A224KBV ECUX1C104ZFQ ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C105KBM ECUX1H470JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 47P	1 1 1 1 2 1 1 2 1 1 2 1 1 1 9 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28042 C28101-09 C28111 C28201 C28202-11 C28213	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1A224KBQ ECUX1A224KPQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1H470JCQ ECUX1H470JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28201 C28201 C28201 C28213 C28215	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.22U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 47P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28203 C28215 C28217	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28037 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C282031 C28215 C28217 C28218	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 1U	1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28201 C28202-11 C28215 C28215 C28217 C28218 C28219	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX16104ZFQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUM1C105KBM	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 26P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 0.01U	1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28202-11 C28213 C28217 C28218 C28219 C28220	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUX1C103KBG ECUX1C103KBG ECUX1A224KBV ECUX1A224KBV ECUX1H270JCQ ECUX1H560JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U	1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28201 C28202-11 C28213 C28215 C28217 C28218 C28219 C28220 C28221	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1A224KBV ECUX1104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U 1U T.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28213 C28215 C28219 C28219 C28221 C28222	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28215 C28217 C28218 C28219 C28220 C28222 C28224, 25	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM16221KBQ ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 56P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U	1 1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28213 C28215 C28217 C28218 C28219 C28220 C28221 C28222 C28224, 25 C28230	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 36P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U	1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28037 C28037 C28039, 40 C28041 C28041 C28041 C28201 C28201 C28215 C28217 C28218 C28219 C28220 C28221 C28222 C28224, 25 C28230 C28231, 32	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 10V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 120P C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 25V 820P C.CAPACITOR CH 25V 820P C.CAPACITOR CH 25V 220P	1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28037 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28215 C28215 C28217 C28218 C28219 C28220 C28221 C28222 C28224, 25 C28233 C28233	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H270JCQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1H121JCQ ECUX1H121JCQ ECUX1H181JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 36P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 120P C.CAPACITOR CH 50V 120P C.CAPACITOR CH 20V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 180P	1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28037 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28215 C28215 C28217 C28218 C28219 C28220 C28221 C28222 C28224, 25 C28233 C28234	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBQ ECUM1A105KBN ECUM1C103KBQ ECUM1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUX16103KBQ ECUM1C105KBM ECUX1H470JCQ ECUX1H470JCQ ECUX16103KBQ ECUM1C105ZFN ECUM1C105ZFN ECUM1C105ZFN ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1H121JCQ ECUX1H12JCQ ECUX1H12JCQ ECUX1H12JCQ ECUX1H1221JCQ ECUX1H12JCQ ECUX1H12JCQ ECUX1H12JCQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 10V 1U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 10V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U 1U C.CAPACITOR CH 50V 120P C.CAPACITOR CH 50V 120P C.CAPACITOR CH 50V 220P	1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28215 C28215 C28217 C28218 C28219 C28220 C28224 C28224 C28224 C28233 C28233 C28234 C28235	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1A224KBV ECUX1C104KBQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1C104ZFQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 120P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U	1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28202-11 C28215 C28217 C28218 C28219 C28220 C28221 C28222 C28224, 25 C28233 C28234 C28235 C28236	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUM1C103KBG ECUX1C103KBG ECUX1A224KBV ECUX1C103KBG ECUX1H270JCQ ECUX1H560JCQ ECUX1H560JCQ ECUX1C103KBG	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 180P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U	1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28215 C28215 C28217 C28218 C28219 C28220 C28224 C28224 C28224 C28233 C28233 C28234 C28235	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUM1C103KBQ ECUX1C103KBQ ECUX1A224KBV ECUX1C104KBQ ECUX1H270JCQ ECUX1H270JCQ ECUX1H560JCQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C103KBQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1C104ZFQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1H1221JCQ ECUX1C104ZFQ	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 27P C.CAPACITOR CH 50V 27P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 10U C.CAPACITOR CH 16V 0.01U T.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 120P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U	1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	
C28028 C28029 C28030 C28031 C28034, 35 C28036 C28037 C28039, 40 C28041 C28042 C28101-09 C28111 C28202-11 C28213 C28215 C28217 C28218 C28210 C28220 C28221 C28221 C28222 C28224, 25 C28231, 32 C28234 C28235 C28236	ECSTOJX336Z ECST1AY106Z ECUM1A105KBN ECUM1E221KBG ECUM1A105KBN ECUM1C103KBG ECUX1C103KBG ECUX1A224KBV ECUX1C103KBG ECUX1H270JCQ ECUX1H560JCQ ECUX1H560JCQ ECUX1C103KBG	T.CAPACITOR CH 10V 10U C.CAPACITOR CH 25V 220P C.CAPACITOR CH 25V 220P C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U T.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 1U C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 50V 220P C.CAPACITOR CH 50V 180P C.CAPACITOR CH 50V 220P C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U C.CAPACITOR CH 16V 0.1U	1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C28403, 04	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C28405	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 25V 270P		
C28406 C28407, 08	ECUX1E271KBQ ECUM1C225KBM	C.CAPACITOR CH 16V 2.2U	2	
C28407, 08	ECUX1C104ZFQ	C.CAPACITOR CH 16V 0.1U	3	
C28601	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	1	
C28602	ECUX1E102KBQ	C.CAPACITOR CH 25V 1000P	1	
C28604	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C28605	ECUX1E561KBQ	C.CAPACITOR CH 25V 560P	11	
C28606	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	11	
C28607	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	11	
C28801	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	1 1	
C28803	ECUM1C105ZFN EEFCD1B220R	C.CAPACITOR CH 16V 1U E.CAPACITOR 22U	1	
C28804	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	1 1	
C28805 C28807	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C28808	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C28809	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	1	
C28810	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C28812	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C28901	ECUX1E681KBQ	C.CAPACITOR CH 25V 680P	1	
C28902	ECRKN030G61	CERAMIC CAPACITOR	11	
C28903	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U	11	
C28904	ECUX1H390JCQ	C.CAPACITOR CH 50V 39P	1	
C28905	ECUX1C103KBQ	C.CAPACITOR CH 16V 0.01U C.CAPACITOR CH 50V 82P	1 1	
C28906	ECUX1H820JCQ	C.CAPACITOR CH 16V 0.01U	1	
C28907	ECUX1C103KBQ	O.OMEMOTION OFFICE U.UTU	╁┤	
D28001	MA133	DIODE	1	
D28201	MA745WA	DIODE	1	
D28202	MA77	DIODE	1	
D28401	MA133	DIODE	1	
D28402	MA132WA	DIODE	1	
D28601	MA338	DIODE	1	
FP28001	VJS3791B022	CONNECTOR (FEMALE) 22P	1	
FP28002	VJS3320B006	CONNECTOR (FEMALE) 6P	1	
FP28003, 04	VJP4057T	CONNECTOR (MALE) 2P	1	
FP28005	VJS3801B030	CONNECTOR (FEMALE) 30P	+-'	I
IC28001	IR3Y29AM	IC	1	
IC28001	TC4W53FU	IC IC	11	-
IC28002	BU4053BCFV	IC	1	
IC28201	T200G02F0002	IC	1	
IC28202	TC7W14FU	IC	1	
IC28205	T74VHC221AFT	IC	1	
IC28401	NJM3414AV	IC	1	
1C28402	TC4W53FU	IC	11	
IC28403	NJM3414AV	IC	1	
IC28404	TC7W14FU	IC	1	
IC28405	TC7ST04FU	IC	1	
IC28602	NJM2904V	IC IC	1 1	
IC28801	AN78L05M	IC	+-	-
1.20004	VLQ0426J330	COIL 33UH	1	
L28001 L28030	VLQ0426J330 VLQ0426J120	COIL 330H	+ †	
L28030	VLQ04263120 VLQ0464K100	COIL 10UH	1	
L28205	VLQ0464K100	COIL 10UH	Ť	
L28602	VLQ0426J2R2	COIL 2.2UH	1	
L28603	VLQ0464K100	COIL 10UH	1	
L28801-04	VLQ0464K100	COIL 10UH	4	
L28806	VLQ0464K100	COIL 10UH	1	
L28901	VLQ0426J220	COIL 22UH	1	
	_	T04400707	+-	
Q28002	2SD2216	TRANSISTOR	1	
Q28004	2SD2216	TRANSISTOR	$\frac{1}{1}$	
Q28005	XP4601 2SD2216	TRANSISTOR-TRANSISTOR TRANSISTOR	1	
Q28101 Q28201	2SD2216 2SD2216	TRANSISTOR	1	
Q28201 Q28401	XP1601	TRANSISTOR	+ 1	
Q28403	XP1601	TRANSISTOR	1	
Q28406, 07	XP4601	TRANSISTOR-TRANSISTOR	2	
Q28901	2SB1462	TRANSISTOR	1	
QR28002	UN9212	TRANSISTOR-RESISTOR	1	
QR28202	UN9212	TRANSISTOR-RESISTOR	1	
	1		1	1

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R28001-03	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	3	
R28004 R28005	ERJ2RHD681 ERJ2GEJ822	M.RESISTOR CH 1/16W 680 M.RESISTOR CH 1/16W 8.2K	1	
R28006	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R28007	ERJ3GEYJ565	M.RESISTOR CH 1/16W 5.6M	1	
R28009	ERJ2GEJ334	M.RESISTOR CH 2W 330K	1	
R28010	ERJ2RHD183	M.RESISTOR CH 1/16W 18K	1	
R28012	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R28029	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	'
R28030	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R28032	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R28034 R28035	ERJ2GEJ223 ERJ2GEJ562	M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 5.6K	1	
R28037	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R28038	ERJ2RHD182	M.RESISTOR CH 1/16W 1.8K	1	
R28039	ERJ2RHD122	M.RESISTOR CH 1/16W 1.2K	1	
R28040	ERJ2RHD222	M.RESISTOR CH 1/16W 2.2K	1	
R28041	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	1	
R28044	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	1	
R28045	ERJ2GEJ561	M.RESISTOR CH 1/16W 560	1	
R28046	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R28052	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R28053	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R28054, 55	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	2	
R28056	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K M.RESISTOR CH 1/16W 12K	2	
R28057, 58 R28062	ERJ2GEJ123 ERJ2GEJ684	M.RESISTOR CH 1/16W 680K	1	
R28103	ERJ2GEJ084 ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28104	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R28105	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R28106	ERJ2GEJ203	M.RESISTOR CH 1/16W 20K	1	
R28107	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28108	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R28109, 10	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	2	
R28111	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28112	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R28113	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28114	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R28115	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28116	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K M.RESISTOR CH 1/16W 33K	1	
R28117 R28118	ERJ2GEJ333 ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R28121	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28122	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R28123	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R28205	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R28209-13	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	5	
R28215	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R28216-19	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	4	
R28220	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R28223	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R28225-27	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	3	
R28228	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R28230, 31	ERJ2RHD393 ERJ2RHD823	M.RESISTOR CH 1/16W 39K M.RESISTOR CH 1/16W 82K	1	
R28232 R28233	ERJ2RHD823 ERJ2RKD184	M.RESISTOR CH 1/16W 82K	1	
R28234	ERJ2GEJ124	M.RESISTOR CH 1/16W 120K	1	
R28401, 02	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	2	
R28403-06	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	4	
R28407, 08	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	2	
R28409	ERJ2RHD333	M.RESISTOR CH 1/16W 93K	1	
R28410	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R28411, 12	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R28413	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
D00444	ERJ2RHD303	M.RESISTOR CH 1/16W 30K	1	
R28414	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R28419	ED IOOF 1000	M DECICEOD OLI 4/4 OM O OF		Ī
R28419 R28420	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R28419 R28420 R28425	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R28419 R28420 R28425 R28428, 29	ERJ2GEJ101 ERJ2GEJ223	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K	1 2	
R28419 R28420 R28425 R28428, 29 R28430	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100	1 2 1	
R28419 R28420 R28425 R28428, 29 R28430 R28431	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101 ERJ2GEJ154	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 150K	1 2	
R28419 R28420 R28425 R28428, 29 R28430	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100	1 2 1	
R28419 R28420 R28425 R28428, 29 R28430 R28431 R28432	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101 ERJ2GEJ154 ERJ2GEJ823	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 150K M.RESISTOR CH 1/16W 82K	1 2 1 1	
R28419 R28420 R28425 R28428, 29 R28430 R28431 R28432 R28435, 36	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101 ERJ2GEJ154 ERJ2GEJ823 ERJ2GEJ101	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 150K M.RESISTOR CH 1/16W 82K M.RESISTOR CH 1/16W 100	1 2 1 1 1 2	
R28419 R28420 R28425 R28428, 29 R28430 R28431 R28432 R28435, 36 R28437	ERJ2GEJ101 ERJ2GEJ223 ERJ2GEJ101 ERJ2GEJ154 ERJ2GEJ823 ERJ2GEJ101 ERJ2GEJ223	M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 150K M.RESISTOR CH 1/16W 82K M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 22K	1 2 1 1 1 2 1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R28440	ERJ2GEJ823	M.RESISTOR CH 1/16W 82K	1	
R28441	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R28442	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R28603	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R28604	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R28605	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R28606	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R28607	ERJ2RHD683	M.RESISTOR CH 1/16W 68K	1	
R28608	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R28609	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R28610	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
R28611	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R28612	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R28616	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	1	
R28901	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R28902	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R28903	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	
R28904	ERJ2RHD682	M.RESISTOR CH 1/16W 6.8K	1	
R28905	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R28906	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	1	
	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	1	
R28907	ERJZGEJSST	WI.NESISTON CH 1/10W 330	 ' -	
200001	1,00,1075	CHUTCH	╁	
S28001	VSP1075	SWITCH	1	
	l		1-	
VR28001, 02	VRV0293B103T	VARIABLE RESISTOR	2	
VR28003	VRV0293B203T	VARIABLE RESISTOR	1	
VR28004	VRV0293B103T	VARIABLE RESISTOR	1	
VR28006	VRV0293B103T	VARIABLE RESISTOR	1	
VR28007	VRV0295B503T	VARIABLE RESISTOR	1	
VR28008	VRV0293B103T	VARIABLE RESISTOR	1 1	
VR28402	VRV0295B502T	VARIABLE RESISTOR	1	
VR28403	VRV0293B103T	VARIABLE RESISTOR	1	
VR28405	VRV0293B104T	VARIABLE RESISTOR	1	
VR28601	VRV0293B103T	VARIABLE RESISTOR	1	
X28001	VSX0672	CRYSTAL OSCILLATOR	1	
	†	MISCELLANEOUS		
	VEUGB040AA	WIRE CABLE	1	
	VMZ2784	EARTH SHEET	1	
	VINLETOT	CHITTI ONCE	┿	
	1.		 	
	VEP90369A	INTERFACE C.B.A.	+	(RTL)
	VEF-90309A	INTERIACE C.B.A.	\vdash	(IIIE)
rnaran1	VJS3498A028	CONNECTOR (FEMALE) 28P	1	
FP25291		· · · · · · · · · · · · · · · · · · ·	1	
FP25292	VJS3931B030	CONNECTOR (FEMALE) 30P		
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